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## NAVAL AIR STATION FORT WORTH JRB CARSWELL FIELD TEXAS

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# INSTALLATION RESTORATION PROGRAM (IRP) SITE INVESTIGATION/SITE CHARACTERIZATION TECHNICAL REPORT FOR THE AEROSPACE MUSEUM SITE AND GROUNDS MAINTENANCE YARD

Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

July 1996

Final



PREPARED FOR

AIR FORCE BASE CONVERSION AGENCY (AFBCA/OL-H)
NAVAL AIR STATION FORT WORTH JOINT RESERVE BASE, CARSWELL FIELD
FORT WORTH, TEXAS 76127-5000

UNITED STATES AIR FORCE AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE/ERB) BROOKS AIR FORCE BASE, TEXAS 78235-5363

CONTRACT NO.: F41624-94-D-8050

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#### **FOR**

# NAVAL AIR STATION FORT WORTH JOINT RESERVE BASE, CARSWELL FIELD FORT WORTH, TEXAS 76127-5000

#### JULY 1996

#### Prepared by:

Law Environmental, Inc.
114 TownPark Drive
Kennesaw, Georgia 30144

United States Air Force Air Force Center for Environmental Excellence (AFCEE/ERB) Brooks Air Force Base, Texas 78235-5363

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#### LIST OF ACRONYMS AND ABBREVIATIONS

AFBCA Air Force Base Conversion Agency

AFCEE Air Force Center for Environmental Excellence

AFP-4 Air Force Plant-4

AMS Aerospace Museum Site

AOC Area of Concern

CADD computer aided design and drafting

DQO data quality objectives

EB equipment blank (rinsate)

EDD Electronic Data Deliverable

GC gas chromatography

GC/MS gas chromatography/mass spectrometry

GFAA graphite furnace atomic absorption

GMY Grounds Maintenance Yard

gpd/ft gallons per day per foot

gpm gallons per minute

GWP Soil-to-Ground Water Cross-Media Protection Concentration

ICP inductively coupled plasma

IDL instrument detection limit

IDW investigation derived waste

IRP Installation Restoration Program

LAW Law Environmental, Inc.

LCS laboratory control standards

LIMS Laboratory Information Management System

MDL method detection limit

MEK methyl ethyl ketone (2-butanone)

mg/L milligrams per liter

mg/kg milligrams per kilogram

MS matrix spike

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### LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

MSC Medium Specific Concentration

MSD matrix spike duplicate

MSL mean sea level

NAS Fort Worth

Naval Air Station Fort Worth Joint Reserve Base, Carswell

Field

NCP National Contingency Plan

PAH polynuclear aromatic hydrocarbon

PARCC precision, accuracy, representativeness, completeness,

comparability

PCB polychlorinated biphenyls

POL petroleum, oils and lubricants

PQL practical quantitation limit

QA quality assurance

QA/QC quality assurance/quality control

QC quality control

RCRA Resource Conservation and Recovery Act

RPD relative percent difference
RSD relative standard deviation

RT retention time

SAI Soil/Air and Ingestion Standard

SOP standard operating procedures

SOW Statement of Work

SWMU solid waste management unit

TB trip blank

TC team chief

TNRCC Texas Natural Resource Conservation Commission

USAF United States Air Force

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and the same than

## LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

**USDA** 

**USEPA** 

**USGS** 

 $\mu$ g/L

U.S. Department of Agriculture

United States Environmental Protection Agency

United States Geological Survey

micrograms per liter

#### **EXECUTIVE SUMMARY**

Law Environmental, Inc., (LAW) was contracted by the U.S. Air Force Center for Environmental Excellence (AFCEE) to perform a Site Investigation/Site Characterization at two sites at the Naval Air Station Fort Worth, Joint Reserve Base, Carswell Field (NAS Fort Worth). The two sites investigated were the Aerospace Museum Site and the Grounds Maintenance Yard. The primary objective of this investigation was to characterize the condition of site surface soils by collecting soil samples for laboratory analysis. Soils were analyzed for metals, volatile organics, and semi-volatile organics. In addition, samples from the Grounds Maintenance Yard were analyzed for pesticides/PCBs and chlorinated herbicides. The results were compared to Texas Natural Resource Conservation Commission (TNRCC) Risk Reduction Standards (TNRCC, 1993) and, for metals, background concentrations.

Soil samples collected at the Aerospace Museum Site contained metals, volatile organic, and semi-volatile organic constituents. Toluene and polynuclear aromatic hydrocarbons (PAHs) were detected throughout the site. Phthalates were also detected at low concentrations. All volatile and semi-volatile organic constituents were detected at concentrations less than the Texas Risk Reduction Standards.

Metals constituents at the Aerospace Museum Site were compared to site-specific background concentrations. However, the background data for metals collected during this investigation may not be representative of basewide background levels because the concentrations of some metals in background samples were relatively high compared to actual site concentrations. As a result, the findings for metals detected at the site are inconclusive.

Soils collected at the Grounds Maintenance Yard contained metals, volatile organics, semi-volatile organics, pesticides/PCBs, and chlorinated herbicides. Toluene and PAHs were detected throughout the site. Volatile constituents found at the site may be related to solvent use at the Maintenance Yard. All volatile and semi-volatile organic constituents were detected at

concentrations less than the Texas Risk Reduction Standards with the exception of bis(2-ethylhexyl)phthalate.

Concentrations of pesticides/PCBs and chlorinated herbicides detected at the site were less than the Texas Risk Reduction Standards with the exception of Arochlor 1254, 4,4'-DDT, 4,4'-DDE, and dieldrin.

Metals constituents at the Grounds Maintenance Yard were compared to site-specific background concentrations. However, the background data for metals collected during this investigation may not be representative of basewide background levels because the concentrations of some metals in background samples were relatively high compared to actual site concentrations. As a result, the findings for metals detected at the site are inconclusive.

Additional sampling is recommended at both sites to further delineate the horizontal and vertical extent of detected organic constituents. PCBs detected at the Grounds Maintenance Yard may pose a risk due to off-site migration via run-off from the site. LAW recommends containment of the run-off from the transformer storage area, and removal of the PCB source and contaminated soils.

In addition, LAW recommends that the metals data from this investigation be reevaluated based on basewide background concentrations of metals.

#### 1.0 INTRODUCTION

Law Environmental, Inc., (LAW) was contracted by the U.S. Air Force (USAF) Center for Environmental Excellence (AFCEE) to perform an investigation and characterization for two sites at the Naval Air Station Fort Worth Joint Reserve Base, Carswell Field, Fort Worth, Texas (NAS Fort Worth). The sites were the Aerospace Museum Site and Grounds Maintenance Yard. The work was conducted in conjunction with the Installation Restoration Program (IRP). The purpose was to ascertain the presence or absence of contamination in surface soils from prior site activities and to recommend appropriate further action, as necessary.

Neither site is currently listed as a Solid Waste Management Unit (SWMU), although both are listed by the Texas Natural Resource Conservation Commission (TNRCC) as Areas of Concern.

#### 1.1 THE AIR FORCE INSTALLATION RESTORATION PROGRAM

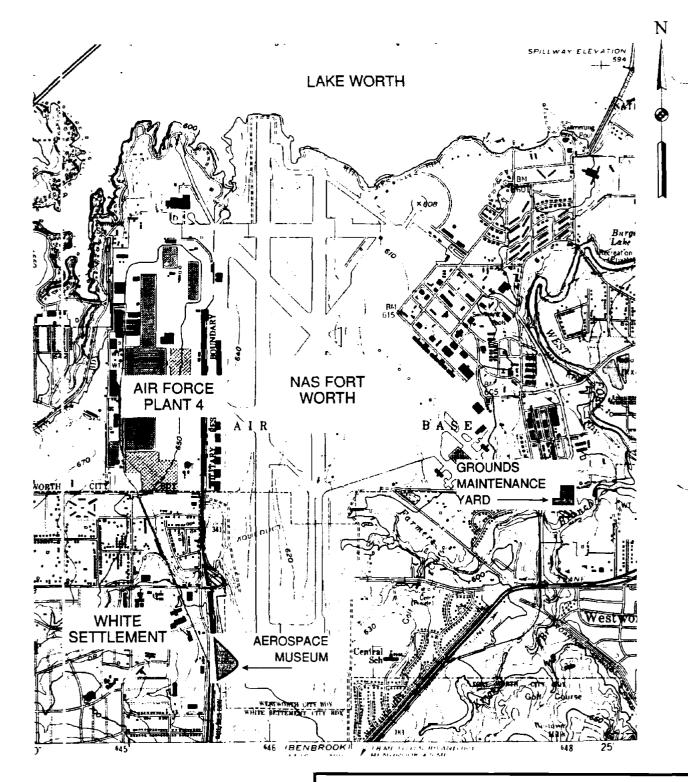
The USAF IRP is designed to identify, confirm/quantify, and remediate problems caused by past management of hazardous wastes at Air Force facilities.

The objectives of the IRP program are to assess past hazardous waste disposal and spill sites at Air Force installations and to develop remedial actions consistent with the National Contingency Plan (NCP) for those sites which pose a threat to human health and welfare or to the environment. The sites studied under this investigation have been assigned the IRP Site ID's of OT38, Aerospace Museum Site, and OT39, Grounds Maintenance Yard.

#### 1.2 INSTALLATION DESCRIPTION

NAS Fort Worth is located in Tarrant County, Texas, approximately 6 miles west of Fort Worth, Texas (Figure 1-1). The base covers approximately 25,000 acres and includes a flightline area; operations buildings; warehouses; petroleum, oils, and lubricants (POL) tank farm; and base housing. The base is bounded to the north by Lake Worth, to the west by Air

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\_\_\_\_ UNITED STATES AIR FORCE \_\_\_ NAVAL AIR STATION FORT WORTH, JOINT RESERVE BASE FORT WORTH, TEXAS

SITE INVESTIGATION/SITE CHARACTERIZATION

SITE VICINITY MAP

Source: USGS Lake Worth, Texas Topographic Quadrangle, 1982 USGA Benbrook, Texas Topographic Quadrangle, 1981

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Force Plant 4, to the south by the community of White Settlement, and to the east by the West Fork of the Trinity River and the city limits of Fort Worth, Texas.

Carswell AFB began operations in 1942 and was operated by the Air Force as a Strategic Air Command Base. The base is currently undergoing realignment to become a joint reserve base.

The following discussion of the NAS Fort Worth environmental setting is derived primarily from the Installation Restoration Program Phase I Records Search Report (CH2M Hill, 1984). Information from that report is supplemented by information from the literature and from the general findings of studies conducted by the U.S. Army Corps of Engineers (USACE, 1991) and Radian Corporation (Radian, 1986; 1991).

#### 1.2.1 Physiography

The majority of NAS Fort Worth is located within the Grand Prairie section of the Central Lowlands Physiographic Province. This area is characterized by broad terraces sloping gently to the east, divided by westward-facing escarpments. The land is typically grass covered and treeless, except for isolated stands of upland timber. The northwestern portion of NAS Fort Worth is within the Western Cross Timbers Physiographic Province which is characterized by rolling topography and a heavy growth of post and blackjack oaks. The land surface slopes gently northeast toward Lake Worth and east toward the West Fork of the Trinity River. Elevations range from a high of approximately 690 feet above mean sea level (msl) near the southwest corner of the installation to a low of approximately 550 feet above msl near the east side of the installation. The elevation of Lake Worth usually approximates the elevation of the dam spillway, 594 feet above msl.

#### 1.2.2 Stratigraphy

The geology of NAS Fort Worth can be characterized as a blanket of Quaternary clastic units overlying Cretaceous bedrock. From youngest to oldest, the geologic units of interest are as follows:

- Quaternary Alluvium/Terrace Deposits
- Cretaceous Goodland Limestone
- Cretaceous Walnut Formation
- Cretaceous Paluxy Formation
- Cretaceous Glen Rose Formation
- Cretaceous Twin Mountains Formation

NAS Fort Worth is located on the relatively stable Texas shelf, west of the faulting associated with the Ouachita Structural Belt. No major faults or fracture zones have been mapped near the base. The regional dip of the rocks at NAS Fort Worth ranges from 35 and 40 feet per mile in an easterly to southeasterly direction.

#### 1.2.3 Soils

The U.S. Department of Agriculture (USDA) Soil Conservation Service has identified four near-surface soil associations on or near NAS Fort Worth. The surficial soils of the installation are primarily nearly level to gently sloping clayey soils of the Sanger-Purves-Slidell and Aledo-Bolar-Sanger Associations. Less widely distributed are the clayey soils of the Frio-Trinity Association and the loamy soils of the Bastil-Silawa Association which occur on the floodplain and stream terraces of the West Fork of the Trinity River.

#### 1.2.4 Ground Water

Five hydrogeologic units have been identified at NAS Fort Worth. These units, listed from most shallow to deepest, are as follows:

- An upper perched-water zone occupying the alluvial terrace deposits of the Trinity River
- An aquitard consisting of predominantly unsaturated limestone of the Goodland and Walnut Formations
- The Paluxy Aquifer
- An aquitard of relatively impermeable limestone in the Glen Rose Formation
- A major aquifer in the sandstone of the Twin Mountains Formation

<u>Upper Zone</u> - Perched ground water occurs in lenses within the coarse alluvial sand and gravel deposits along the Trinity River. These lenses are limited in lateral extent and are surrounded by low-permeability clays and silts. Ground water in the upper zone occurs at depths ranging from 7 to 13 feet. Annual ground-water table fluctuations are typically on the order of 5 feet (USGS, 1993). Recharge to the water-bearing deposits is from rainfall and infiltration in stream channels and drainage ditches.

In parts of Tarrant County near the Trinity River, the upper zone is developed for irrigation and residential use. The community of River Oaks, immediately east of NAS Fort Worth, formerly utilized supply wells developed in alluvial deposits at a location near the former Carswell AFB hospital. The wells were abandoned when Carswell AFB purchased the property for hospital construction. In general, ground water in the upper zone is not economical to develop due to the zone's limited distribution and susceptibility to surface/storm-water pollution.

Goodland/Walnut Aquitard - The perched water present in the alluvium is separated from the underlying aquifers by the low permeability limestone and shale of the Goodland Limestone and Walnut Formations. The aquitard consists of moist clay and shale layers interbedded with dry limestone beds. Although the Walnut Formation is primarily dry, drillers in the area have reported small amounts of water in the Walnut Formation, suggesting that ground water may move through the Walnut along bedding planes. A previous soil boring at Air Force Plant 4,

immediately west of NAS Fort Worth, indicated that the Goodland Limestone had been completely eroded and only 3 feet of the Walnut Formation was present. It has also been reported that the upper zone and Paluxy formation are in contact at the eastern boundary of Air Force Plant 4, where both the Goodland and Walnut formations have been removed by erosion. In areas of similar erosion, water in the upper zone could come in contact with water in the Paluxy aquifer.

<u>Paluxy Aquifer</u> - The Paluxy aquifer is the shallowest bedrock aquifer beneath NAS Fort Worth. Water in the Paluxy normally occurs under confined conditions beneath the Goodland/Walnut aquitard except where the aquitard is absent due to erosion. The Paluxy Formation is divided into upper and lower sand members and the aquifer is likewise divided into upper and lower aquifers. The upper sand is fine-grained and shaley while the lower sand is coarser; therefore, most wells are completed in the lower section.

The Paluxy aquifer is recharged along outcrops west of NAS Fort Worth. Paluxy outcroppings also occur north of the base in the bed of Lake Worth. The lake bed represents a significant recharge source for the aquifer and creates a localized potentiometric high. Regional groundwater flow within the Paluxy is eastward, parallel to regional dip. Ground-water flow at NAS Fort Worth is influenced by the Lake Worth potentiometric high and by a potentiometric low induced by ground-water withdrawals by the community of White Settlement. This produces a generally southeasterly flow direction.

Transmissivities in the Paluxy aquifer range from 1,263 to 13,808 gallons per day per foot (gpd/ft), with an average of 3,700 gpd/ft. In Tarrant County, the Paluxy Formation ranges in thickness from 140 to 190 feet, with an average thickness of 160 feet. The actual water-bearing thickness in the NAS Fort Worth area probably approximates the formation thickness, but the aquifer is separated into two distinct water-bearing zones. In the vicinity of NAS Fort Worth, permeabilities range from 13 to 140 gpd/ft<sup>2</sup> (based on an approximate thickness for the aquifer of 100 ft). Well yields from the Paluxy aquifer range from 10 to 480 gallons per minute (gpm) averaging approximately 100 gpm.

The Paluxy aquifer represents a significant source of potable ground water in the Fort Worth area. Communities adjacent to NAS Fort Worth, especially White Settlement, develop municipal water supplies from the Paluxy, as well as from the deeper Twin Mountains aquifer. As a result of extensive pumping, water levels in the Paluxy aquifer have declined significantly over the past several years. Water levels in the immediate NAS Fort Worth vicinity have not lowered to the same degree as in the Fort Worth area because the base does not produce water from the Paluxy.

Glen Rose Aquitard - Below the Paluxy Aquifer are the fine-grained limestone, shale, marl, and sandstone beds of the Glen Rose Formation. The thickness of the formation varies from 250 to 450 feet. Although the sands in the Glen Rose Formation yield small supplies to wells in Fort Worth and western Tarrant County, the relatively impermeable limestone behaves as an aquitard, restricting water movement between the overlying Paluxy aquifer and the underlying Twin Mountains aquifer.

Twin Mountains Aquifer - The Twin Mountains Formation is the oldest formation used for water supply in the NAS Fort Worth area. The formation consists of a basal conglomerate of chert and quartz, grading upward into coarse to fine grained sand interbedded with shale. The formation varies in thickness from 250 and 430 feet. The Twin Mountains aquifer is recharged along outcrops west of NAS Fort Worth. Water movement is eastward in the direction of regional dip. Like water in the Paluxy aquifer, the Twin Mountains aquifer occurs under unconfined conditions in the recharge area, becoming progressively more confined in the downdip direction.

The Twin Mountains aquifer is the principal aquifer in Tarrant County and yields large water supplies for municipal (including human consumptive) and industrial purposes. In Tarrant County, transmissivities in the Twin Mountains aquifer range from 1,950 to 29,700 gpd/ft, with an average of 8,450 gpd/ft. Permeabilities range from 8 to 165 gpd/ft<sup>2</sup>, with an average of 68 gpd/ft<sup>2</sup>.

Ground-water withdrawals from the Twin Mountains aquifer, primarily for municipal water supply, have resulted in declining water levels. Between 1955 and 1976, the potentiometric surface of the aquifer dropped approximately 250 feet. Water quality in the Twin Mountains aquifer is acceptable for potable use throughout the Fort Worth area.

#### 1.2.5 Surface Water

NAS Fort Worth is located within the Trinity River Basin immediately south of Lake Worth, a man-made reservoir on the Trinity River. A portion of the installation is drained by Farmers Branch, which discharges into the West Fork of the Trinity River just south of the cantonment area. Farmers Branch begins near the community of White Settlement and flows eastward. Immediately south of Air Force Plant 4, Farmers Branch flows under the runway through two large culverts.

Most of the installation's surface drainage is diverted through a series of storm drains and culverts. The water is in turn directed to oil/water separators and discharged to the West Fork downstream of Lake Worth. A small portion of the north end of the installation drains directly into Lake Worth.

#### 1.2.6 Climatology

NAS Fort Worth is located at approximately 33 degrees north latitude. The climate is humid subtropical with hot summers and dry winters. Tropical maritime air masses control the weather during much of the year; however, the passage of polar cold fronts and continental air masses create large variations in winter temperatures.

The average annual temperature for NAS Fort Worth is 66 degrees Fahrenheit and monthly mean temperatures vary from 45 degrees Fahrenheit in January to 86 degrees Fahrenheit in July (Table 1-1). The average daily minimum temperature in January is 35 degrees Fahrenheit and the lowest recorded temperature is 2 degrees Fahrenheit. The average daily maximum

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TABLE 1-1

METEOROLOGICAL DATA SUMMARY

Naval Air Station Fort Worth Joint Reserve Base, Carswell Field

Fort Worth, Texas

	JAN	FEB	MAR	APR	MAY	N	JOL	AUG	SEP	Į.	NON	טבע	ANNITAL
TEMPERATURE (°F)									i			3	AININOAL
Mean	45	20	57	99	74	82	98	85	78	89	35	40	ž
Average Daily Maximum	55	9	<i>L</i> 9	92	83	16	95	95	. œ	2 8/	8	<b>\$</b>	3 %
Average Daily Minimum	35	39	49	26	2	72	75	75	89	57	3 4	<b>%</b>	<b>,</b>
Highest Recorded	88	<b>&amp;</b>	85	89	901	111	109	110	107	105	2	8 5	3 9
Lowest Recorded	2	9	=	31	42	55	61	8	4	33		; =	2 ,
PRECIPITATION (inches)							1	}	2	ì	<u>:</u>	=	7
Mean	1.7	1.9	2.1	3.9	4.2	3.1	2.5	2.1	3.6	3.1	<b>o</b> c	-	31.0
Maximum Monthly	5.9	4.7	6.5	14.2	15.2	œ. œ.	9.0	6.0	9.6	10.7	4.7	6.7	15.7
Minimum Monthly	0.1	0.1	(B)	8.0	8.0	0.1	(B)	(B)	(g)	(8)	: <b>3</b>	}	7:6
Maximum in 24 hours	2.8	3.2	3.4	3.3	5.7	3.5	5.9	3.1	4.0	3.2	2 8	0 0	(e) <b>v</b>
Days with Thunderstorms	-	7	6	9	80	9	<b>'</b>	v	4		; -	} -	). A
SNOWFALL (inches)								1	•	1	-	-	<b>}</b>
Mean	7	-	9	0	0	0	0	0	0	c	Ξ	3	"
Maximum Monthly	•	12	7	0	0	0	0	0	0		4	<u>)</u> «	n ex
Maximum in 24 hours	S	œ	7	0	0	0	0	0	· c		. 4	) (*	o o
RELATIVE HUMIDITY (%)								ı	)	•	•	1	0
Mean	62	61	61	2	89	49	28	8	39	39	7	ç	63
SURFACE WINDS (knots)								<b>;</b>	3	3	3	70	6
Mean	<b>∞</b>	∞	6	6	7	<b>∞</b>	9	ν.	9	v	00	œ	-
Maximum	20	63	69	64	89	65	26	\$	8	45	. 45	, <b>%</b>	` &
Prevailing Direction	S	S	S	S	v	v	v	v	U	! ט		} [	3 1

Source: United States Air Force, Carswell AFB, Texas. Period of Record: 1946-1978.

(a) = Less than 1/10 inch.

(b) = Less than 1 inch.

temperature in July and August is 95 degrees Fahrenheit and the highest temperature recorded at the base was 111 degrees in the month of June. On the average, freezing temperatures occur at NAS Fort Worth on 33 days per year.

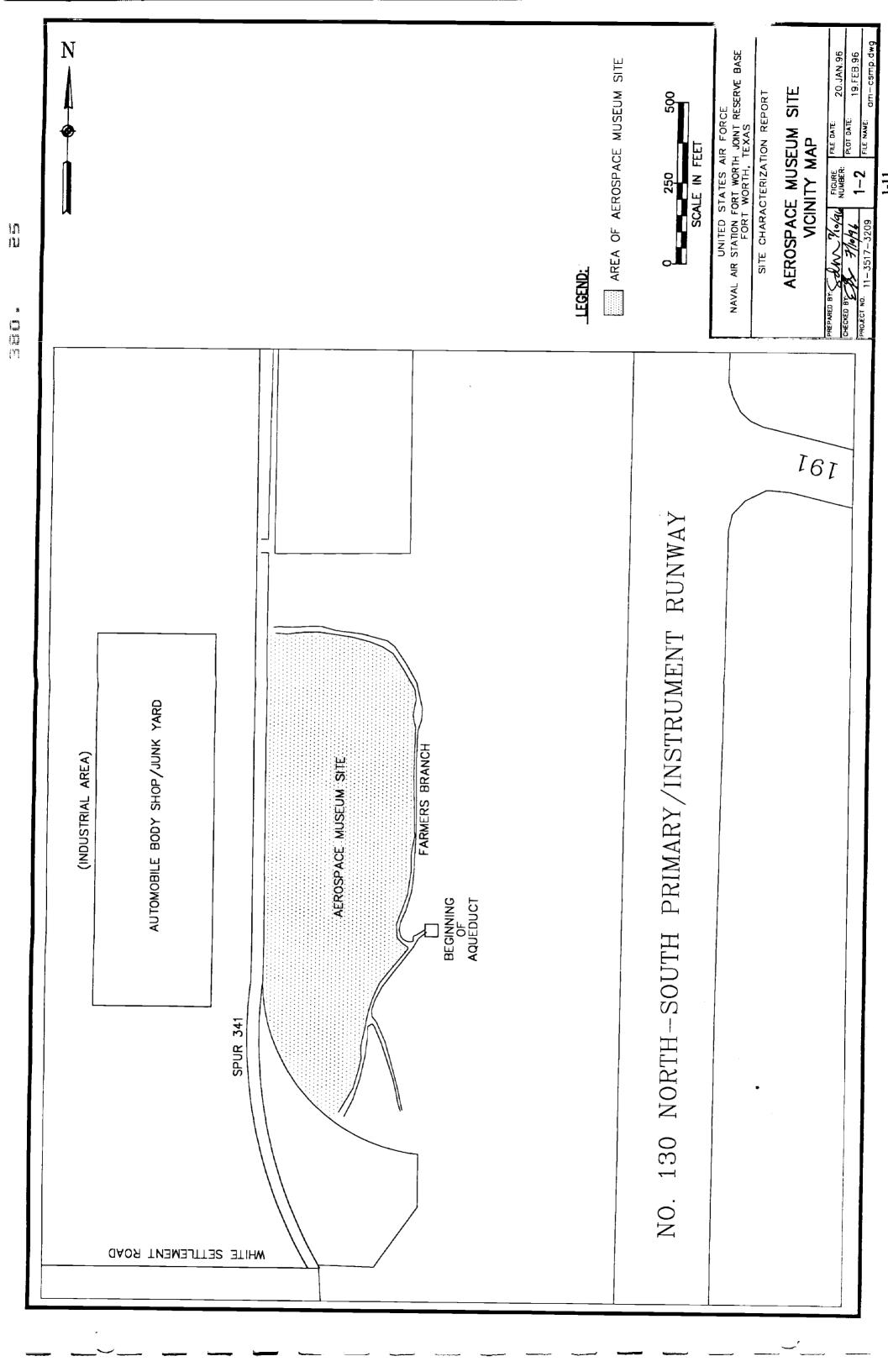
Mean annual precipitation recorded at NAS Fort Worth is 32 inches. Typically the wettest month is May, with a secondary maximum in September. The period from November to March is generally dry with a secondary minimum in August. Snowfall accounts for a small percentage of the total precipitation between November and March, with an average, measurable snowfall of 3 inches per year. Lake evaporation at NAS Fort Worth is estimated to be approximately 57 inches per year. Evapotranspiration over land areas may be greater or less than lake evaporation depending on vegetative cover type and moisture availability. Average net precipitation is expected to be equal to the difference between average total precipitation and average lake evaporation, or approximately minus 25 inches per year.

Thunderstorm activity occurs at NAS Fort Worth an average of 45 days per year. The greatest number of these storms typically occurs between April and June. Hail may fall on two to three days per year. The maximum precipitation recorded in a 24-hour period is 5.9 inches.

Mean cloud cover averages 50 percent at NAS Fort Worth with clear weather occurring frequently during all months. Some fog is present on an average of 83 days per year. Wind speed averages 7 knots; however, a maximum of 80 knots has been recorded. Wind direction is predominantly from the south during all months.

#### 1.3 SITE INVENTORY

The Aerospace Museum Site (AMS) is located along Spur 341, west of the North-South Primary/Instrument Runway, south of Air Force Plant 4 (AFP-4), and adjacent to the Farmers Branch of the West Fork Trinity River (Figure 1-2). The site currently is covered with grass and slopes gently from northwest to southeast.

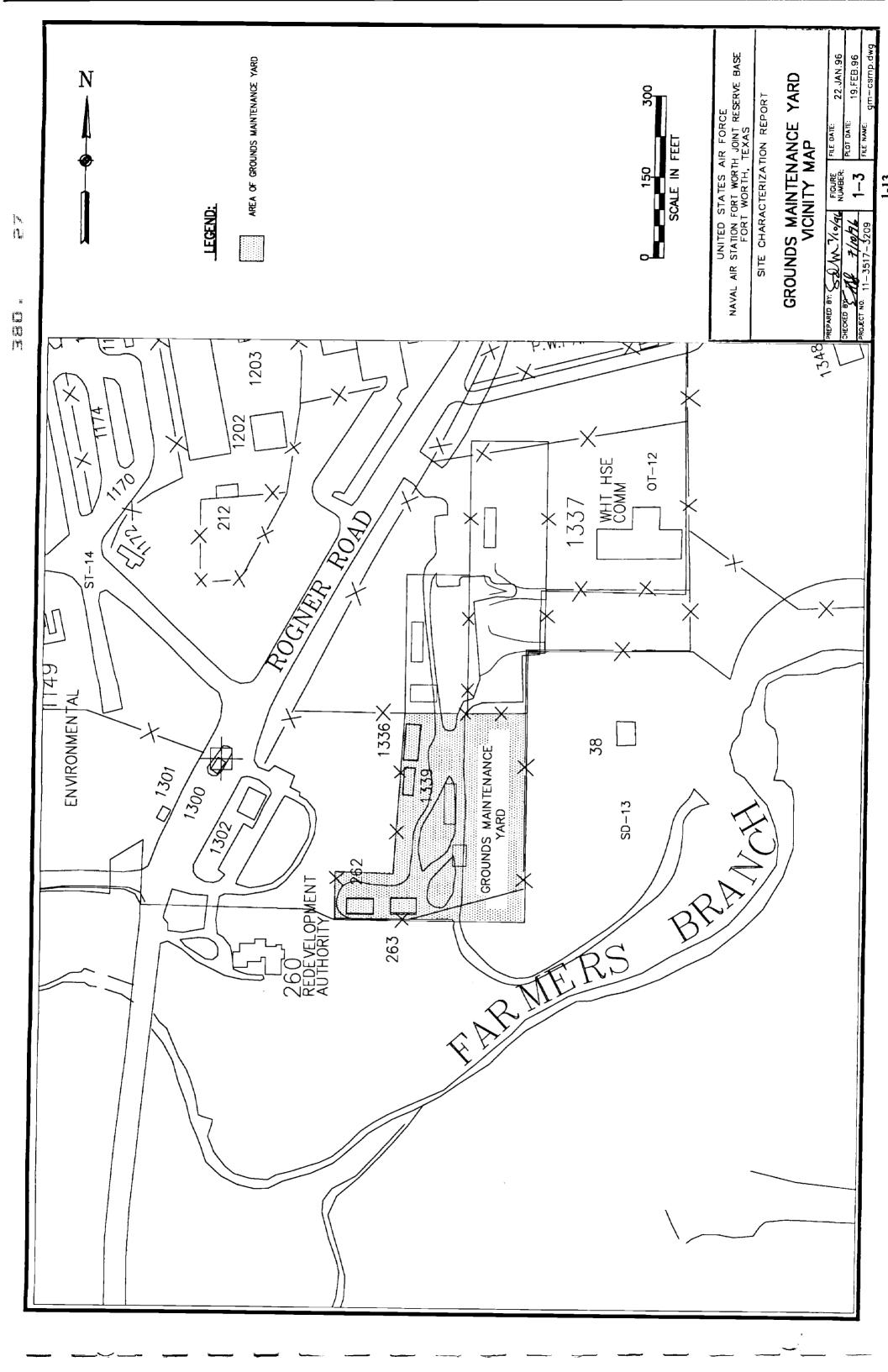


This 12.5-acre museum site has been used for display of various aircraft, vehicles, and storage equipment. A records search indicated that an asphalt batching plant was previously located at the site. Also, a B-52 bomber was previously stored and dismantled at the site, resulting in small chips of aircraft skin being buried in the surface soil. NAS Fort Worth personnel conducted a site survey on April 9, 1993, and reported the following in their report (NAS Fort Worth, 1993):

- Several spots of stressed vegetation and dark oily spots near aircraft and ground vehicle displays
- Stressed vegetation along the west fence line and randomly throughout the aircraft display area
- A 55-gallon drum of material assumed to be waste grease
- Discarded paint cans
- A 55-gallon drum of cleaning compound
- Several rusted and unidentifiable cans and drums

In October, 1994, LAW and AFCEE representatives met at NAS Fort Worth to visit the Aerospace Museum Site and found that the debris listed above had been removed, and neither surface staining nor distressed vegetation were evident.

The Grounds Maintenance Yard (GMY) is located in the southeast corner of NAS Fort Worth near the Main Entrance (Figure 1-3). It is a predominantly graveled yard, with some areas of asphalt pavement, two small maintenance buildings, a pesticide storage shed, two 500-gallon aboveground storage tanks located on a concrete containment pad, and two office trailers. The site slopes gently from northwest to southeast. A site walk-through survey by LAW and AFCEE personnel found some soil staining and areas suspected to have formerly contained chemical storage sheds and/or petroleum storage tanks.



Based on review of available information, a primary source of potential contamination at both sites would be intermittent surface spills of petroleum-related products and solvents, which may have also contained metals. In addition, intermittent spills of pesticides are suspected to have occurred at the Grounds Maintenance Yard. LAW was unable to locate other written documentation concerning investigative activities at either site.

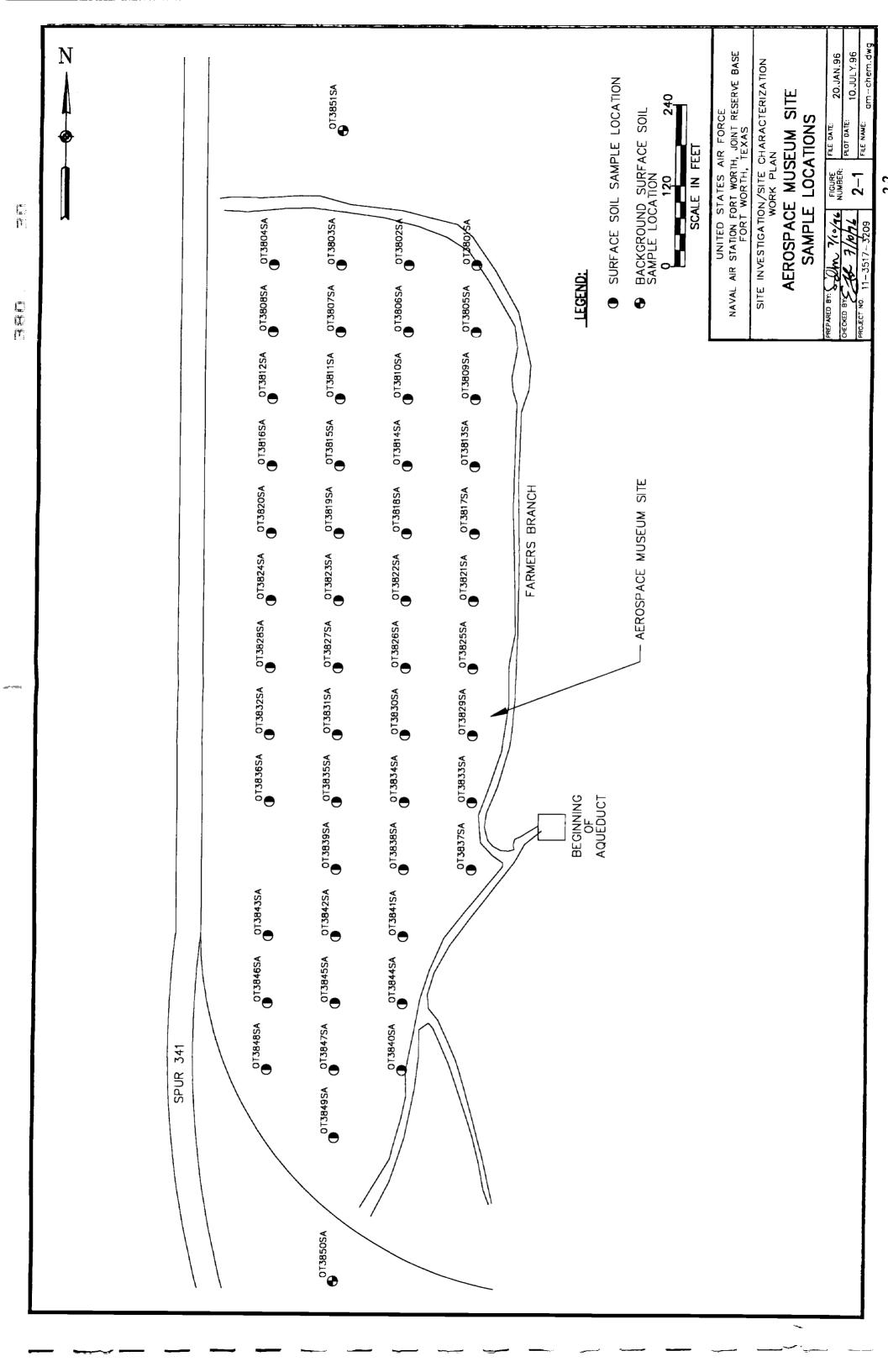
#### 2.0 PROJECT ACTIVITIES

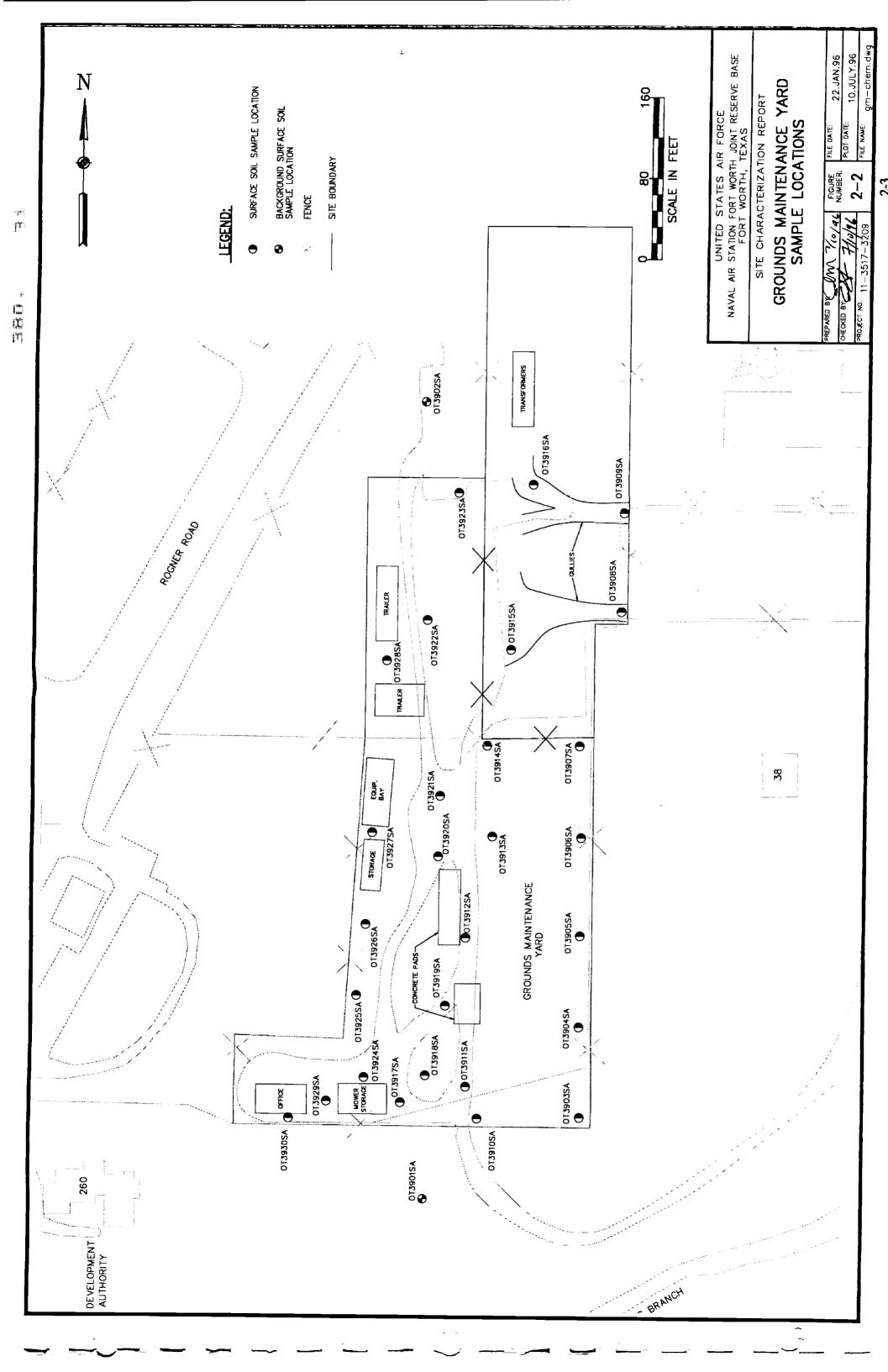
The following sections describe the project objectives and the activities conducted as part of the Site Investigation/Site Characterization at the Aerospace Museum Site (AMS) and the Grounds Maintenance Yard (GMY). The activities include procedures associated with the selection of sampling locations, execution of field activities, and laboratory analysis of soils collected from two sites located at the Naval Air Station Fort Worth, Joint Reserve Base, Carswell Field. Results of the chemical data evaluation are also described in this section. All work was performed in accordance with the Sampling and Analysis Plan (LAW, 1995a) and Health and Safety Plan Addendum (LAW, 1995b).

#### 2.1 PROJECT OBJECTIVES

The objective of the soil sampling and analysis program was to conduct an initial site characterization to determine the presence or absence of contamination in surface soils resulting from previous site activities or from past operations. Previous site activities at the Aerospace Museum Site included the storage and restoration of surplus aircraft used as museum pieces. Potential contaminants include lubricants, solvents, and aircraft paint. Forty-nine surface soil samples were collected from 0 to 2 feet at locations established on a grid layout of the site, as shown on the sample location map (Figure 2-1). Sampling locations occur at approximately 100-foot intervals.

Past operations at the Grounds Maintenance Yard include storage and maintenance of groundskeeping equipment, and storage of pesticides, solvents, and fuels. Potential contaminants include lubricants, fuels, solvents, pesticides, and herbicides. Twenty-eight surface soil samples were collected from 0 to 2 feet at locations established on a grid layout of the site, as shown on the sample location map (Figure 2-2). Sample locations occur at approximately 60-foot intervals, but locations were offset to include stained areas near the two maintenance buildings and former pesticide storage building, in the area of petroleum storage tanks, and at locations where obvious soil staining was observed. Stained areas and areas of potential releases were given preference for sampling.





Soil sampling locations were placed on a base map that was provided to LAW. The sampling locations presented on each map generated for this report were not surveyed and should be considered to be approximate locations.

#### 2.2 FIELD ACTIVITIES

The Sampling and Analysis Plan (LAW, 1995a), describes the field activities and procedures to be used during the Site Investigation/Site Characterization at the Aerospace Museum Site and the Grounds Maintenance Yard. The following activities were performed during the field event:

- Determination of sampling locations
- Collection of surface soil samples and transport to laboratory
- Decontamination of sampling equipment

Surface soil samples were collected from 0 to 2 feet using stainless steel hand augers. Chain-of-custody records were prepared for each shipping container. Samples were sent by overnight courier to Law Environmental National Laboratories, located in Pensacola, Florida.

All sampling equipment was decontaminated before use using procedures specified in the Sampling and Analysis Plan. Decontamination water was collected for disposal as described in section 2.2.3.

All field activities were performed by LAW personnel. The following sections describe the chronology and methodology of the field activities, and field Quality Assurance/Quality Control (QA/QC) procedures.

#### 2.2.1 Chronology of Field Work

The field activities for the Aerospace Museum Site and Grounds Maintenance Yard sampling episode were performed from October 22 to October 24, 1995. Surface soil was collected from

0 to 2 feet using stainless steel hand augers following a grid layout of the site. The soil was thoroughly mixed and placed in the appropriate containers as specified in the Sampling and Analysis Plan (LAW, 1995a). The properly labeled sample containers and chain-of-custody documents were placed in a shipping container for overnight shipment to the laboratory. Completed chain-of-custody forms are provided in Appendix A. The receiving laboratory did not indicate any problems with sample receipt or the condition of samples that would affect the quality of the data. Field sampling completeness was determined to be 100 percent.

#### 2.2.2 Field Quality Assurance/Quality Control

Quality control parameters are monitored through the assessment of data collected for the evaluation of precision, accuracy, representativeness, and completeness. Field quality control activities consisted of the following:

- Collection of field duplicate samples to evaluate sampling precision
- Decontamination of field equipment and collection of equipment blanks
- Documentation of field information and measurements in hard bound field notebooks
- Review of field documentation, chain of custody records, and other field records

Daily meetings were conducted by the site manager for the purpose of reviewing the field procedures and quality control activities with the field team. Any corrective actions necessary were discussed, documented, and implemented immediately.

#### 2.2.3 Investigation Derived Waste Management

Investigation derived waste (IDW) consisted of wash water and rinse water from the decontamination of field equipment. The wash water was collected and discharged to the local

wastewater treatment plant. The rinse water was stored in a 3,000-gallon polyethylene tank until the end of the sampling episode. A sample from the tank was collected and analyzed for volatiles, semi-volatiles, and metals. Based on the analytical results, LAW disposed of the water through a local hazardous waste transportation and disposal contractor.

#### 2.3 LABORATORY ANALYSIS

The Law Environmental National Laboratories in Pensacola, Florida, provided sample shipping containers, chain-of-custody documents, chemical analysis, and laboratory quality assurance/quality control (QA/QC). The laboratory analyses were performed from October 27, 1995, to December 2, 1995. The analytical methods performed by the laboratory are summarized in Table 2-1.

The following sections describe the data quality objectives, analytical methodologies, analytical quality control program, and data quality evaluation.

#### 2.3.1 Data Ouality Objectives

The following sections discuss the evaluation criteria used to review the field and laboratory results, the formulas used to calculate quality control data, and the qualifiers applied to the sample results based on data evaluation.

#### 2.3.1.1 Review of Field Records - Field records were evaluated for the following:

- Completeness of field records
- Identification of valid samples
- Completeness of the sampling effort
- Sample handling and shipping procedures
- Effectiveness of sampling procedures in preserving sample precision and accuracy

#### TABLE 2-1

# ANALYTICAL TEST METHODS Naval Air Station Fort Worth Joint Reserve Base Fort Worth, Texas

MATRIX: SOIL	METHOD* (soil/water)
Volatile Organics	SW 8240/8260
Semi-Volatile Organics	SW 8270
Herbicides <sup>b</sup>	SW 8150
Pesticides/PCBs <sup>c</sup>	SW 8080
Total Metals	SW 6010
Arsenic	SW 7060
Lead	SW 7421
Selenium	SW 7740
Mercury	SW 7471/7470

<sup>\*</sup> Test Methods for Evaluation of Solid Waste, SW-846 (Third Edition)

Note: (1) If the lead concentration detected on the inductively coupled plasma (ICP) is >5 x the instrument detection limit (IDL) on the ICP, the ICP value can be used. If the lead concentration detected on the ICP is <5 x the IDL on the ICP, then the Graphite Furnace Atomic Absorption(GFAA) analysis is required.

(2) Preparation methods for soil samples are SW 3550 for semi-volatiles and pesticides/PCBs, and SW 3050 for metals (except for arsenic). Preparation methods for water samples are SW 3520 for semi-volatiles and pesticides/PCBs, SW 3005 for metals by SW 6010, and SW 3020 for lead.

b Herbicides collected at Grounds Maintenance Yard only.

<sup>°</sup> Pesticides collected at Grounds Maintenance Yard only.

Field records were assessed for completeness and to determine whether field activities were carried out as planned. Samples were evaluated to determine their representativeness through the review of field QC results.

## 2.3.1.2 Review of Laboratory Data - Laboratory data were evaluated for the following:

- Chain of custody forms
- Sample integrity
- Applicability of the instruments/methods used
- Holding times
- Method calibration criteria
- Method blanks
- Verification of quantitation limits
- Laboratory sample preparation records
- Quality control results
- Corrective action for out-of-control QC results
- Calculations used for analyte quantitation and reporting
- Completeness of data

Laboratory reports containing sample results and QC information were reviewed by the laboratory QA coordinator and submitted to LAW. A case narrative was included in each data report to provide an assessment of the laboratory's QA activities. The data presented in the laboratory report was generated from the laboratory's information management system (LIMS) and was reviewed by the LAW project chemist during the data evaluation process. An electronic data deliverable (EDD) was also produced by the laboratory from the LIMS and submitted to LAW. The chemical data tables presented in this report were produced from the data base developed from the laboratory EDD. Additional processing of the information contained in the data base resulted in the generation of the positive results tables presented in Section 3. Data comparison to regulatory standards was achieved through visual review of the positive analytical results. Electronic files of the positive results were generated from the data base to transfer the data onto computer aided design and drafting (CADD) drawings.

Chemical data evaluation was performed according to LAW's standard operating procedures (SOPs) which were developed following the USEPA "National Functional Guidelines for Organic Data Review" (USEPA, 1990) and "Laboratory Data Validation: Functional Guidelines for Evaluating Inorganic Analyses" (USEPA, 1988). A standard format for the documentation of the results of data evaluation is included in the SOP. This documentation is maintained in the project file at LAW.

2.3.1.3 Formulas - The following formulas were used to calculate quality control data.

Accuracy - Accuracy is defined as the degree of agreement of a measurement with an accepted reference or true value. To determine the accuracy of an analytical method, a sample spiking program was conducted. The results of sample spiking was used to calculate the percent recovery (%R). The percent recovery is defined as follows:

$$\%R = \frac{X - T}{K} \times 100$$

where:

· %R = percent recovery

X = analytical result of the spiked sample

T = analytical result of the unspiked sample

K = known amount of the spike in the sample

Surrogates, matrix spike and matrix spike duplicates (MS/MSD), and internal standards were analyzed to determine accuracy. The control limits were based on the mean percent recovery plus or minus 3 standard deviations of the mean using a population of 20 or more recovery values.

<u>Precision</u> - Precision is the measure of mutual agreement among individual measurements of the same property, under similar conditions. Precision between duplicate measurements is best expressed in terms of relative percent difference (RPD). Precision was assessed through the use of field duplicate samples and MS/MSD samples. An RPD for each sample pair was calculated using the following equation:

$$RPD = \frac{A - B}{(A + B)/2} \times 100$$

where:

A = replicate value 1

B = replicate value 2

RPD = relative percent difference

The laboratory established control limits were based on a population of ten or more RPD values. They were calculated by determining the mean RPD plus three times the standard deviation for the upper limit and zero as the lower limit.

<u>Completeness</u> - Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount that was expected to be obtained under normal conditions. The result is expressed as a percentage determined by analyte, by method. For this project, a completeness goal of 90 percent was established.

2.3.1.4 <u>Data Qualifiers</u> - Data qualifiers are used to flag sample results if accuracy or precision criteria have not met the QC requirements presented in Appendix A of the Sampling and

Analysis Plan (LAW, 1995a). Data qualification flags used for this project are presented in Table 2-2. Each data point reported is graded as usable as reported, usable with qualifications, or rejected. All data determined to be usable as reported or usable with qualifications are considered valid data for the purpose of calculating the data completeness for the project.

## 2.3.2 Analytical Methodologies

All soil samples collected at the Aerospace Museum Site were analyzed for volatile organic compounds, semi-volatile organic compounds, and total metals. The soil samples collected at the Grounds Maintenance Yard were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides/PCBs, chlorinated herbicides, and total metals. Soil samples were analyzed by the U.S. Environmental Protection Agency (USEPA) SW-846 methodologies listed in Table 2-1.

Quantitation limits were based on the method detection limits (MDLs) established by the laboratory using the required USEPA procedure specified in 40 CFR Part 136 Appendix B. The 1995 laboratory established detection and quantitation limits are presented in Appendix A of the Sampling and Analysis Plan (LAW, 1995a). Sample results detected below the practical quantitation limit (PQL) but above the MDL were reported and the data were flagged as estimated values using the qualifier "JQ."

# 2.3.3 Analytical Quality Control

The quality of the chemical data is assessed through the evaluation of both field and laboratory QC data. The QC parameters that were evaluated include: sample preservation and holding time requirements, batch method blank analysis, LCS analysis, internal standard recovery, MS/MSD analysis, surrogate analysis, field duplicate analysis, trip blank analysis, and equipment blank analysis.

#### TABLE 2-2

## DATA QUALIFICATION FLAGS Naval Air Station Fort Worth Joint Reserve Base Fort Worth, Texas

FLAG	POSITIVE RESULTS	NEGATIVE RESULTS
FLAGS F	OR DATA WITHIN ACCEPTANCE LIMITS (Usal	ble as Reported)
(no flag)	{Use datum without qualification}	{Use datum without qualification}
FLAGS F	OR DATA WITHIN ACTION LIMITS (Usable Wit	h Qualification)
J	Estimated quantitation based upon QC data	Estimated quantitation based upon QC data
JВ	Estimated quantitation: possible biased high or false positive based upon blank data	(Not applicable)
ЛН	Estimated quantitation - possibly biased high based upon QC data	(Not applicable)
π	Estimated quantitation - possibly biased low based upon QC data	Possible false negative based upon QC data
Jd	Estimated result due to dilution	Reporting limit raised due to dilution
JQ	Estimated quantitation; result below the PQL	(Not applicable)
LAGS FO	OR DATA OUTSIDE OF ACTION LIMITS (Unusa	ble)
R	Datum rejected based upon QC data: do not use	Datum rejected based upon QC data: do not use
MISCELL	ANEOUS FLAGS	
t	Tentatively identified compound; identity not confirmed with standard and quantitation estimated (applicable to GC/MS data only)	(Not applicable)

R > J, JH, JL, JB, Jd

JH + JL= J

Jd > JH, JL

Jd > JB (where JB is due to laboratory method blank or field blanks)

ΊB > Id (where JB is due to laboratory system blank)

JΒ > J

JH or JL > J Quality control limits are generated annually by the laboratory based on statistical analysis of historic data. The QC limits for laboratory control samples (LCS) recovery, surrogate recovery, and matrix spike/matrix spike duplicate (MS/MSD) recovery and precision were presented in Appendix A of the Sampling and Analysis Plan (LAW, 1995a).

- 2.3.3.1 <u>Sample Handling</u> Samples were transported to the laboratory daily by overnight express shipment. Upon receipt of the shipment, the laboratory recorded the temperature of each cooler and checked the preservation of aqueous samples. Adjustment of sample pH was performed as needed and recorded. Samples were maintained at the laboratory at a temperature of 4 degrees Celsius until analysis. Holding times for extraction and analysis were strictly adhered to following the requirements of the Sampling and Analysis Plan.
- 2.3.3.2 Method Blanks Method blanks consist of organic-free or deionized water that is carried through the analytical scheme like a sample. Positive method blank results indicate the presence of contamination associated with sample preparation or analysis. For most analyses, a method blank is analyzed for each extraction or analysis batch at a frequency of 1 per 20 or fewer samples. If an analyte of interest is detected above the quantitation limit in a method blank, the corrective action consists of reprocessing and reanalyzing the entire sample batch. For the common organic contaminants such as methylene chloride, acetone, toluene, 2-butanone, and phthalates, and the inorganic contaminants, aluminum, calcium, iron, magnesium, sodium and potassium, reanalyses were performed only if contaminants exceeded three times the quantitation limit.
- 2.3.3.3 <u>Laboratory Control Samples</u> Laboratory control samples were analyzed with every batch of 20 or fewer samples. LCS samples were prepared for each method by the addition of known concentrations of all method analytes. LCS samples were carried through the complete sample preparation and analysis procedure, and recoveries of the spiked analytes were determined and compared to QC criteria. Batch acceptance was based on the successful recovery of all analytes of interest as specified in the Sampling and Analysis Plan, and

acceptable recovery of at least 80 percent of the total analyte list for each method. Failure to meet these criteria resulted in reprocessing and reanalyzing the entire sample batch.

- 2.3.3.4 <u>Internal Standards</u> Internal standard results were evaluated for methods SW-8240 and SW-8270 according to method requirements. Failure to meet the internal standard recovery or retention time criteria resulted in reanalysis of the affected samples.
- 2.3.3.5 <u>Matrix Spikes</u> The MS/MSD samples were designated prior to sampling to allow for the collection of additional aliquots of the sample in the field. At the laboratory, the sample aliquots were spiked with known concentrations of the analytes of interest, and the samples were prepared and analyzed with a batch of 20 or fewer samples. The spike recoveries and the precision between duplicate spikes were calculated and evaluated compared to QC criteria. This technique allows for the assessment of any effect of the matrix on the precision and accuracy of the sample data. No corrective action was required for MS/MSD recoveries that failed QC criteria as long as the associated LCS results were within control.
- 2.3.3.6 <u>Surrogates</u> Surrogates are known amounts of selected compounds added to all field and QC samples prior to preparation and analysis. Surrogate recoveries were evaluated for methods SW-8240, SW-8270, SW-8150, and SW-8080. The recovery of surrogates may be used to determine the effect of the matrix on the accuracy of the sample data. Surrogate recovery failure required reanalysis of the affected sample.
- 2.3.3.7 <u>Field Precision</u> Field duplicate samples were collected from eight locations during the soil sampling activities. The results of field duplicates were used to evaluate sampling precision. A relative percent difference (RPD) was calculated from the positive results of the sample and its duplicate, and the RPD values were compared to a precision goal of 30 percent. For sample values less than five times the quantitation limit, the precision is determined by calculating the difference between the concentrations reported in the sample and its duplicate. The criteria used to evaluate this result is the concentration equivalent to two times the PQL. Sample results for

those parameters with field precision greater than the criteria of 30 percent RPD or two times the POL, as applicable, are qualified as estimated values.

- 2.3.3.8 <u>Trip Blanks</u> Trip blanks were shipped with each cooler containing samples collected for analysis of volatile compounds. Trip blanks were prepared by the laboratory from organic-free water, and were handled, packaged, preserved, and shipped in a manner similar to actual field samples. Trip blanks were analyzed for volatile organics to detect contamination that may have resulted from cross-contamination or ambient sources of contamination during shipment and handling.
- 2.3.3.9 Equipment Blanks Equipment blanks were collected during the sampling activities to evaluate the effectiveness of equipment decontamination procedures. One equipment blank was collected each day during the sampling event. Equipment blanks were analyzed for the same parameters as those requested on environmental samples.
- 2.3.3.10 <u>Completeness</u> Completeness measures the amount of usable data resulting from a data collection activity. Completeness for the purpose of this project was defined as the amount of sample data points actually acquired and accepted as valid, divided by the number of sample data points planned to be acquired, expressed as a percentage. Valid data is defined as all data which was not rejected as a result of data quality evaluation. A completeness goal of 90 percent was expected to be achieved for this project.

#### 2.3.4 <u>Data Quality Evaluation</u>

The parameters of precision, accuracy, representativeness, completeness, and comparability are indicators of data quality (USEPA, 1987). The field QC data and laboratory QC data were evaluated to ascertain the quality of the chemical data. The QC data were compared to the criteria presented in the Sampling and Analysis Plan (LAW, 1995a). If QC problems were encountered during the performance of sampling and analysis procedures, corrective action was immediately initiated, and the problem and its resolution are reported in the following section.

If QC problems affected the data reported for a field sample and corrective action did not resolve the problem, or holding time constraints did not allow for re-extraction/reanalysis, the data for that sample has been qualified following LAW's standard operating procedures for data evaluation. The following sections present the procedures used for evaluation of the field and laboratory data, and the results of the data quality evaluation.

- 2.3.4.1 <u>Laboratory Methods and Detection Limit Requirements</u> The laboratory followed the analytical methods presented in the Sampling and Analysis Plan. All method detection limits provided in Appendix A of the plan were met. Sample results were quantitated below the Practical Quantitation Limit (PQL) in order to meet project required detection limits. Results reported below the PQL were qualified as estimated (JQ).
- 2.3.4.2 <u>Calibration</u> Initial calibrations and continuing calibrations were evaluated according to method-specific calibration criteria. Failure to meet calibration criteria resulted in qualification of the associated sample data. Results associated with a high relative standard deviation in the initial calibration or a high percent difference in the continuing calibration were qualified as estimated (J). Low relative response factors resulted in the qualification of associated positive results as estimated (J) and the rejection (R) of associated nondetects. All calibrations met the required criteria with the exception of the following:

#### Volatiles Analyses

- The relative response factor of the continuing calibration was below the minimum response criterion for 2-chloroethyl vinyl ether for several analysis batches. Associated sample results were nondetect; therefore, the sample data for this compound were rejected (R).
- Several continuing calibrations exhibited high percent differences for chloroethane, 2-chloroethyl vinyl ether, vinyl acetate, acetone, 2hexanone, and 2-butanone. Associated samples were qualified as estimated (J).

## Semi-Volatiles Analyses

- The initial calibration performed on instrument BNA-1 on November 14, 1995, resulted in a percent relative standard deviation value greater than the method criteria for 4-chloroaniline. The initial calibration performed on instrument BNA-2 on November 6, 1995, resulted in a percent relative standard deviation value greater than the method criteria for 2,4-dinitrophenol. The sample results associated with an analytical batch for which a compound failed the criteria, were qualified as estimated (J).
- Several continuing calibrations resulted in percent difference values greater than the method criteria. The following compounds were affected: hexachlorocyclopentadiene, 2,4-dinitrophenol, 4-chloroaniline, bis(2-chloroisopropyl)ether, 3,3'-dichlorobenzidine, and 4,6-dinitro-2-methylphenol, 4-nitrophenol. The sample results associated with an analytical batch for which a compound failed the criteria, were qualified as estimated (J).

## Herbicides Analyses

- The initial calibration performed on November 18, 1995, resulted in Dalapon outside the method criteria on the primary and secondary columns. Associated results were qualified as estimated (J). The initial calibration performed on November 25, 1995, resulted in Dichloroprop outside the method criteria on the primary column. Associated results were qualified as estimated (J).
- 2.3.4.3 <u>Method Blanks</u> Method blanks were analyzed to determine the effect of laboratory contamination on sample results. The reported values of constituents in samples may be attributable to blank contamination if the concentrations were less than or equal to five times the blank concentration or, for certain common laboratory contaminants, ten times the blank concentration. Sample results attributable to blank contamination were qualified as estimated (JB). Method blank results were nondetect with the exception of the following:

## Metals Analyses

- ICPSB3803 contained 0.400 mg/kg of iron. Associated positive sample results less than five times the blank concentration (2.00 mg/kg) were qualified as estimated (JB). However, all associated results were greater than five times the blank concentration, and qualification was not necessary.
- ICPSB3094 contained 6.80 mg/kg of aluminum, 34.1 mg/kg of potassium, and 23.1 mg/kg of sodium. Associated positive sample results less than five times the blank concentrations (34 mg/kg for aluminum, 170 mg/kg for potassium, and 116 mg/kg for sodium) were qualified as estimated (JB). Associated aluminum and potassium results were not qualified because concentrations were greater than five times the blank value.
- ICPSB3124 contained 0.700 mg/kg of copper. No associated samples contained positive results less than five times the blank concentration; therefore no data were qualified.
- ICPWB3107 contained 0.0190 mg/L of copper and 0.251 mg/L of sodium. No associated copper samples contained positive results less than five times the blank concentration; therefore no copper data were qualified. Associated positive sodium results less than five times the blank concentration (1.255 mg/L for sodium) were qualified as estimated (JB).
- FSB3121 contained 0.122 mg/kg of lead. No associated samples contained positive results less than five times the blank concentration; therefore no data were qualified.

# Pesticides/PCB Analyses

- PPSB7423, PPSB7499, PPSB7459 contained 0.00215 mg/kg, 0.00269 mg/kg, and 0.0100 mg/kg of methoxychlor, respectively. With the exception of sample FDUP-07, associated samples did not contain positive results less than five times the blank concentration. Sample FDUP-07 was qualified as estimated (JB) for methoxychlor.
- 2.3.4.4 <u>Laboratory Control Sample Results</u> <u>Laboratory control samples (LCSs)</u> were used to demonstrate method accuracy. The LCS analytes which were outside of control limits resulted

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in the qualification of the associated sample results as estimated, biased high (JH) for high recoveries, or biased low (IL) for low recoveries. LCS recoveries less than 10% resulted in rejection (R) of nondetect sample results. The LCS results were within control limits with the exception of the following:

#### Metals Analyses

- ICPSL3094 had high recovery of potassium. Associated positive sample results were qualified as estimated biased high (JH) for that compound.
- ICPSL3092 had high recovery of potassium. No associated samples contained positive results; therefore, no data were qualified.

#### Semi-Volatiles Analyses

- SSL7468, SSL7476, SSL7450, and SSL7480 had low recovery of bis(2-chloroisopropyl)ether. Associated sample results were qualified as estimated biased low (JL) for that compound.
- SSL7421 had low recovery of bis(2-chloroisopropyl)ether, and no recovery of hexachlorocyclopentadiene. Associated sample results were qualified as estimated biased low (JL) for bis(2-chloroisopropyl)ether. Associated positive sample results were qualified estimated biased low (JL), and associated nondetect sample results were rejected (R) for hexachlorocyclopentadiene.
- SSL7498 had low recovery of 2,4-dimethylphenol and no recovery of hexachlorocyclopentadiene. Associated sample results were qualified as estimated biased low (JL) for 2,4-dimethylphenol. Associated positive sample results were qualified estimated biased low (JL), and associated nondetect sample results were rejected (R) for hexachlorocyclopentadiene.
- SSL7444 had low recovery of 2,4-dimethylphenol and bis(2-chloroisopropyl)ether, and no recovery of hexachlorocyclopentadiene. Associated sample results for were qualified as estimated biased low (JL) for 2,4-dimethylphenol and bis(2-chloroisopropyl)ether. Associated positive sample results were qualified estimated biased low (JL), and associated nondetect sample results were rejected (R) for hexachlorocyclopentadiene.

#### Pesticides/PCB Analyses

• PPSL7499 had high recovery of heptachlor. There were no positive results for associated samples; therefore, no data were qualified.

#### Herbicides Analyses

- HERBSL7430 had low recovery for secondary column results of MCPA, and low recovery for primary column results of dicamba. Associated sample results were qualified estimated biased low (JL) for dicamba. MCPA was not detected on the primary column; therefore, data was not qualified.
- HERBSL7501 had high recovery for results of MCPA and MCPP. There
  were no positive results for this analyte; therefore, no data were qualified.

2.3.4.5 MS/MSD Results - MS/MSD samples were analyzed to assess method accuracy and precision. The results of the analysis of MS/MSD samples are provided in Appendix B. The sample associated with an MS/MSD pair was qualified as estimated, biased high (JH) for high recoveries, or biased low (JL) for low recoveries. If only one sample of the matrix spike pair was outside of the QC range, the other sample was evaluated for whether its recovery was above or below the median of the control range. Bias was assigned only if both spikes exhibited a trend in the same direction. When RPD values exceeded the QC criteria for precision, the sample results were qualified as estimated (J) unless the result had already been qualified "JH" or "JL" based on spike recoveries. MS/MSD results were within QC ranges with the exception of the following:

## Metals Analyses

Sample OT3913SA was analyzed as an MS/MSD sample. Antimony, molybdenum, and selenium had low MS and MSD recoveries. The associated sample result was qualified estimated biased low (JL) for these metals. Manganese and nickel had MS and/or MSD recoveries outside QC criteria; however, because the sample concentration was greater than

four times the spike amount, the results were not qualified. Cadmium had low MS recovery, and the RPD was higher than the control limit. The result was qualified as estimated (JL) for cadmium. Chromium had high MS and MSD recoveries. The result was nondetect; therefore, no qualification was necessary.

- Sample OT3840SA was analyzed as an MS/MSD sample. Antimony and arsenic had low MS and MSD recoveries. The associated sample result was qualified estimated biased low (JL) for these metals. Manganese and nickel had MS and/or MSD recoveries outside QC criteria; however, because the sample concentration was greater than four times the spike amount, the results were not qualified. Barium, cobalt, copper, and silver had RPDs higher than the control limits. The sample result was qualified as estimated (J) for these metals. Beryllium had high MS and MSD recoveries, and the RPD was higher than the control limit. The result was nondetect; therefore, no qualification was required. molybdenum, and selenium had low MS and MSD recoveries, and the RPD was higher than the control limit. The result was qualified as estimated biased low (JL) for these metals. Thallium and zinc had low MSD recovery, and the RPD was higher than the control limit. The result was qualified as estimated (J) for thallium and zinc. Lead had high MS and MSD recoveries, and the RPD was higher than the control limit. The result was qualified as estimated biased high (JH) for lead.
- Sample OT3830SA was analyzed as an MS/MSD sample. Antimony, molybdenum, arsenic, and selenium had low MS and low MSD recoveries. The associated sample result was qualified as estimated biased low (JL) for these metals. Cadmium had low MS and MSD recoveries, and the RPD was higher than the control limit. The sample result was qualified as estimated biased low (JL) for cadmium. Manganese had low MSD recovery, and the RPD was higher than the control limit. The sample concentration for manganese was greater than four times the spike amount; therefore, the sample results were not qualified. Lead had high MS recovery, and the RPD was greater than the control limit. The result was qualified as estimated (J) for lead.
- Sample OT3850SA was analyzed as an MS/MSD sample. Antimony, cadmium, arsenic, and selenium had low MS and low MSD recoveries. The result was qualified as estimated biased low (JL) for these metals. Molybdenum had low MS recovery; therefore, the result was qualified (JL) estimated biased low. Manganese, lead, and nickel failed MS and/or MSD recoveries, and the RPD was higher that the control limit for manganese. The sample concentration for these metals was greater than four times the spike amount; therefore, the sample results were not qualified.

- Sample OT3820SA was analyzed as an MS/MSD sample. Antimony had low MS and MSD recoveries, and the RPD was higher than the control limit. The result was qualified as estimated biased low (JL) for antimony. Cadmium, molybdenum, arsenic, and selenium had low MS and MSD recoveries. The associated sample results were qualified as estimated biased low (JL) for these metals. Manganese failed MS recovery, and the RPD was higher that the control limit. The sample concentration was greater than four times the spike amount; therefore, the sample result was not qualified. Lead had high MS and MSD recoveries, and the RPD was greater than the control limit; however, the sample concentration was greater than four times the spike amount and the sample was not qualified.
- Sample OT3815SA was analyzed as an MS/MSD sample. Antimony cadmium, copper, and selenium had low MS and/or MSD recoveries. The results were qualified as estimated biased low (JL) for antimony, cadmium, copper, and selenium. Manganese and nickel failed MS and/or MSD recoveries. The sample concentration for manganese and nickel was greater than four times the spike amount; therefore, the results were not qualified. Chromium and arsenic had low MS and/or MSD recoveries, and the RPDs were greater than 20 percent. The sample results were qualified as estimated biased low (JL) for arsenic and estimated (J) for chromium.
- Sample OT3930SA was analyzed as an MS/MSD sample. Antimony, cadmium, molybdenum, arsenic and selenium had low MS and MSD recoveries, and the RPD was greater than 20 percent for antimony. The results were qualified as estimated biased low (JL) for these metals. Manganese had low MSD recoveries, and the RPD was greater than the control limit. The sample concentration for manganese was greater than four times the spike amount; therefore, the results were not qualified. Lead had RPD results greater than the control limit; therefore, results were qualified (J) as estimated.
- Sample OT3920SA was analyzed as an MS/MSD sample. Antimony, cadmium, and selenium had low MS and MSD recoveries, and the RPD was higher than the control limit for cadmium. The result was qualified as estimated biased low (JL) for antimony, cadmium, and selenium. Zinc had low MSD recovery, and the RPD was greater than 20 percent. The associated sample result was qualified as estimated (J) for zinc. Manganese and lead failed MS and MSD recoveries, and the RPD for manganese, lead, and nickel were higher than the control limit. The sample concentrations were greater than four times the spike amount; therefore, the sample result was not qualified. Barium, chromium, and copper had high MS and/or MSD recoveries, and the RPDs were greater than 20 percent for barium and chromium. Positive results were qualified as estimated biased high (JH) for these metals.

Sample OT3822SA was analyzed as an MS/MSD sample. Antimony, cadmium, and molybdenum, arsenic, lead, and selenium had low MS and MSD recoveries, and the RPD was higher than the control limit for antimony and lead. The result was qualified as biased low (JL) for antimony, cadmium, molybdenum, arsenic, lead, and selenium. Manganese failed MS and MSD recoveries, and the RPD for manganese was higher than the control limit. The sample concentrations were greater than four times the spike amount; therefore, the sample result was not qualified. Chromium and zinc had low MS recoveries, and the RPD was higher than the control limit. The associated sample results were qualified as estimated (I) for chromium and zinc.

## Volatiles Analyses

• Sample OT3840SA was analyzed as an MS/MSD sample. Tetrachloroethene had low MS and MSD recoveries. The associated sample was qualified as estimated biased low (JL) for tetrachloroethene.

## Semi-Volatiles Analyses

- Sample OT3820SA was analyzed as an MS/MSD sample. Benzo(a)pyrene had an RPD greater than QC limits. The associated sample was qualified as estimated (J) for benzo(a)pyrene.
- Sample OT3920SA was analyzed as an MS/MSD sample. 2,4-dinitrotoluene had low MS and MSD recoveries. Pentachlorophenol had low MSD recovery, and the RPD was greater than the control limit. The associated sample result was qualified as estimated biased low (JL) for 2,4-dinitrotoluene and pentachlorophenol.
- Sample OT3840SA was analyzed as an MS/MSD sample. 2,4-Dinitrotoluene had low MS and MSD recoveries, and was qualified (JL).
   Pyrene had high MS and MSD recoveries and was qualified (JH).
- 2.3.4.6 <u>Post Digestion Spikes</u> Post digestion spikes were analyzed to assess the effect of the sample matrix on the measurement system. Post digestion spike results were within QC ranges with the exception of the following:

#### Metals Analyses

- Samples OT3827SA, OT3840SA, OT3824SA, OT3903SA, OT3821SA, OT3841SA, OT3835SA. OT3833SA, OT3846SA. OT3848SA. OT3828SA, FDUP-05, OT3829SA, OT3826SA, OT3839SA, OT3849SA, OT3838SA, OT3831SA. OT3837SA. OT3819SA, OT3801SA. OT3808SA, OT3818SA, OT3817SA, OT3804SA, OT3904SA. OT3914SA, OT3921SA, OT3924SA, OT3919SA, and OT3923SA had post digestion spike values less than 85 percent for selenium. associated sample results were qualified as estimated biased low (JL) for selenium.
- Sample OT3826SA had a post digestion spike value less than 85 percent for arsenic. The associated sample result was qualified as estimated biased low (JL) for arsenic.
- Samples OT3903SA, OT3823SA, OT3916SA, and Purge H20 had post digestion spike values greater than 115 percent for lead. The associated positive sample results were qualified as estimated biased high (JH) for lead.
- Sample OT3851SA had post digestion spike values greater than 115 percent for selenium. The associated sample results were nondetect; therefore, no data were qualified.
- Samples OT3912SA, OT3915SA, OT3926SA, OT3925SA, and FDUP-07
  had post digestion spike values greater than 115 percent for arsenic. The
  associated positive sample results were qualified as estimated biased high
  (JH) for arsenic. Sample OT3912SA was not qualified for arsenic because
  results were nondetect.
- 2.3.4.7 Holding Times and Preservation The holding times were met for all parameters for the soil samples. The trip blank collected October 24, 1995, was analyzed twice. The laboratory ran method SW-8240 within the holding time; however, method SW-8260 was requested. When the error was recognized, the laboratory reanalyzed the trip blank using method SW-8260, eight days outside of holding time. The results of the initial analysis satisified the data requirements for trip blank analysis, therefore, only the SW-8240 results were used. Project-required quantitation limits were met based on the laboratory reporting results below the PQL.

2.3.4.8 Surrogate and Internal Standard Analysis Results - Internal and surrogate standard recoveries were used to indicate acceptable extraction and analytical performance for each sample. Corrective actions initiated by the laboratory included re-extraction/reanalysis of samples exhibiting poor surrogate recovery and internal standard failures, unless failure was due to dilution. Sample results were qualified if corrective action was unsuccessful in improving the recoveries, or holding time constraints did not allow for re-extraction/reanalysis of a sample. Surrogate failures resulted in the qualification of sample results based on the observed bias. High surrogate recoveries resulted in qualification of associated positive sample results as estimated, biased high (JH). Low surrogate recoveries resulted in qualification of all associated positive and nondetect sample results as estimated, biased low (JL). If a sample required dilution and the surrogate recoveries were affected, data qualification for surrogate failure was considered unnecessary.

Internal standard failure resulted in the qualification of associated compounds as estimated (J). Extremely low recoveries (less than ten percent) resulted in rejection (R) of associated compounds. All surrogate and internal standards were within control limits with the exception of the following:

## Semi-Volatiles Analyses

- Surrogate recoveries for 2-fluorophenol and phenol were outside of control limits for sample OT3801SA, due to a required 10 times dilution; therefore, no results were qualified.
- Samples OT3815SA, OT3802SA, OT3806SA, OT3813SA, OT3809SA, OT3904SA, and OT3901SA had low recoveries for one or both of the internal standards chrysene-d12 and perylene-d12. Sample OT3815SA also had low recovery for the internal standard phenanthrene-d10. All samples were reanalyzed with similar results. The analytes associated with the low internal standards were qualified as estimated (J) for the above samples.
- Surrogate recoveries for 2-fluorobiphenyl, phenol-d6, nitrobenzene-d5, and 2,4,6-tribromophenol were outside of control limits for sample OT3912SA, due to a required 50 times dilution; therefore, no results were qualified.

- Surrogate recoveries for 2-fluorophenol and phenol-d6 were outside of control limits for sample OT3801SA, due to a required 10 times dilution. No results were qualified.
- Samples OT3928SA, FDUP-07, OT3920SA, OT3926SA, OT3925SA, FDUP-08, and OT3914SA had low recoveries for the internal standard chrysene-d12 and perylene-d12. All samples were reanalyzed with similar results. Only OT3928SA improved upon reanalysis with only perylene-d12 remaining below the internal standard range. The analytes associated with the low internal standards were qualified as estimated (J) for the above samples.
- Samples OT3921SA and OT3924SA had low recoveries for one or both of the internal standards chrysene-d12 and perylene-d12. The samples were reanalyzed with similar results. The analytes associated with the low internal standards were qualified as estimated (J) for the above samples.

#### Pesticides/PCB Analyses

- Surrogate recoveries for DBC were low on one or both columns for several OT39 samples. The TCMX surrogate recoveries reported for these samples were within control limits; therefore, no results were qualified.
- 2.3.4.9 <u>Field Duplicates</u> Field duplicate samples were analyzed to assess sampling precision for the analytes detected. The results of the field duplicate analyses and the corresponding RPDs are presented in Table 2-3 and Table 2-4. The RPD criterion for sample results greater than five times the quantitation limit was less than 30 percent. For sample results less than five times the quantitation limit, the difference between the two results should be less than two times the PQL. Sample results exceeding these criteria were qualified as estimated (J). All results for field duplicates met the criteria with the exception of the following:

TABLE 1-3

FIELD DUPLICATE SUMMARY TABLE
AEROSPACE MISEUM SITE
Naval Alr Station Fort Worth Joint Reserve Base, Chitwell Field
Fort Worth, Texas

		Sample 1D	I D. GI M.T.		OT381184				
		Sample Date	22-OCT-95		22-CCT 05			FDUP-02	
	Quantitation	Depth	0.0 - 2.0		00.20	Cag %	Diffeebence	22-OCT-95	
PARAMETER/METHOD (UNITS)	Late	Notes	Duplicate of OT3811SA	_		1		Duplicate of OT3821SA	VS.
Sell pH . SW90MS/NONE (News)									
623-9045 pH unit Soil			7.49		7.45	0.5		7.46	
PERCENT MOISTUREDIZIG (%)									
Percent Moisture			12.0		11.0	8.7		7 00	
METALS, TOTAL by ICPSW 6619 (mg/kg)									
Ahminum	200		1620		8120	77		9797	
Antunony	25.0		ı		;	5		4040	
Bergium	2 00		91		115	6.0		70	-
Calcium	0.300		4.51		0.570		7	1	•
Chomism	0.01		140000	-	98100	35.2		224000	
Cobak	8 8		12.0	<u>ح</u> د	8.95		3.05		
Copper	3 5		90.0	⊋ <u>c</u>	3 8		151	121	οſ
lion	808		(S) (	₹	007		2.39	£0£	δ
Magnesium	23.0		2310		2 5	0.7		4680	•
Munganese	80		23		457			7830 733	-
Molybdenum	2.00		;		<b>}</b>	•		Ş <u>5</u>	٤
ZKKe	9:00		229	-	8.79	-	220.21	202	Ş
Constant	<b>9</b>		1540	Ŧ	1530	1H 0.7		962	
Vanadium	250		689	æ	61.3	18	7.6	<u>8</u>	-
Zinc	8 8		521		19.5		7	166	
	3		63.9	_	21.2	119.3		70.2	
ARSENIC, TOTAL by GFAASW 7868 (mp/k)									
Amenic	0.500		2.47		2.05		0.42	<u>=</u>	
LEAD, TOTAL by GFAASW 7431 (meng)									
Lead	0.500		19.8		17.0	152		9.14	
SELENLUM, TOTAL by GFAA5W 7748 (BERILE) Selenum	Ş								
	906.0								
GCMS for Volatile Organics - SW1246/NONE. (Inglig) Tolugue									
	0.00500		0 00931		0.0115		0.00219	<0.00157	ই
GCMS for Semi-Vehitle Organics (Capillary Column - SW87765W3559 (mg/kg)									
Can yeare Di-n-burythithadate	0 333		0.0131	õ	<311		0.3579		
Fluoranthene	0.333			;					
Phenanthrene	0.333		717970	₹	0.0135	ο̈́	0.0077		
Pyrene Marie Communication (Communication Communication Co	0.333		0 0251	Q	< 37.1		0392.0		
ord (* Eulymexy) pontialate	0.333			,					
Date On Mills at a Fire N. co.									

Data Quantification FlaguNetes:

J = Estimated quantitation based upon QC data

JB = Estimated quantitation: possibly bissed high or a fabe positive based upon blank data

JH = Estimated quantitation: possibly bissed high based upon QC data

JL = Estimated quantitation: possibly biased low or a fabe negative based upon QC data

JC = Estimated quantitation detected below the Practical Quantitation Limit (PQL)

R = Datum rejected based upon QC data. do not use

2 -4 4

FIELD DUPLICATE SUMMARY TABLE
AEROSPACE MUSEUM SITE
Navai Air Station Fort Worth Joint Reserve Base, Carswell Piold
Fort Worth, Texas

		Sample ID	OT3821SA			FTMIPAG	OTTOTICAL
	Owantitation	Semple Date	22-OCT-95			22-OCT-95	22-OCT-95
PARAMETERMETHOD (UNITS)	Limits	Notes	0.7	% RPD	DIFFERENCE	0.0 - 2.0 Duplicate of OT3831SA	00.20
Sell BH. SW964S/NONE (BRIE) 623-9045 BH BRIEN SAI							
			7.57	51		7.41	111
FERCENT MOISTUREDZIIG (%) Percent Moisture							
			9.90	15.4		19.0	17.0
MEIALS, TOTAL by ICP/5W 6010 (mg/kg)							
Artimony	200		4240	87		CBCB	V700
Berium	250					2000	0000
Beryffrum	00.7 0		\$ 680	39.8		116	902
Culcium	00		101,000	ļ		6190	0.624
Chromium	205		900	15.9		00606	117000
Cobatt	80 \$		1.45	2	•		8 74
Copper	200		2 2	Š.	0.24	Or 27.2	2 50 10
Want and the second sec	200		90		IE.1	72,7	6.33
The state of the s	25.0		2000	7.61		\$970	6580
Makhdanim	8 -		372			1630	1770
Note	200		1.3	Q	6		168
Potasium	\$ 00 1		6 <u>8</u> 2	99	B7:0	₹ 151 151 151 151 151 151 151 151 151 15	94.5
Sodium	000		217	6,62		9.50 818	6.42
Vanadium	25.0		1.94	_	147.9	2.3	993
Zinc	8 5		8.62	J	69:0	19.6	9 8
	3		63.2	10.5		20,0	# 0Z
ARSENIC, TOTAL by GFAASW 7000 (me/le)							
יין אַכּוּין רַּי	0.500		0.789		0.351	20.00	-
LEAD, TOTAL by GFAASW 7431 (mplu)							=
per	0.500		9.10	eo Vo		Ē	7
SELENIUM, TOTAL by GFAASW 7746 (BRIVE)						•	21.0
Selenium	0.500						
GCMS for Velatile Organics - SW244/NONE (meter)						1 61 72 2 1 1 2 1	0,0993 JL
Tothene	0 00200		36360				
GC/MS for Semi-Volatile Organics (Capillary Column - SW22705W3569 (medie)			776		0,00369	0.00699	Q: 8ZE00:0
Chrystene	0,333						
The mathematical statement of the statem	0.333					:	
Phenanthrene	0.333					0.0440	<0.0237 JQ
Pyrene	0.333					7	À
bis(2-Ethydhexyd)phthalate	0.333					0.0342 JQ	< 307
	0000						
;; 1 . 1							

Data Qualification Flagurileier:

J. Fixtmated quantitation based upon QC data

B. Estimated quantitation: possibly bissed high or a files positive based upon blank data

H. Estimated quantitation: possibly bissed high based upon QC data

II. Estimated quantitation: possibly bissed high based upon QC data

QC Estimated quantitation: possibly bissed live or a false negative based upon QC data

QC Estimated quantitation: detected below the Practical Quantitation Limit (PQL)

R = Datum rejected based upon QC data do not use.

\*Note: Percent RPD values greater than 30% are shown in boxes unless the sample or its duplicate is less than five times the PQL and the difference between the concentrations is less than two times the PQL.

Results in boxes exceeded RPD criteria. Associated sample results were qualified as entimated values (J).

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TABLE 2-3

FIELD DUFLICATE SUMMARY TABLE
AEROSFACE MUSEUM SITE
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

		01.1			ro gran	0.11041504	
		Sample Date			72-C-T-04	77.OrT.05	
	Owanttation	Depth	% RPD	DIFFERENCE	0.0 - 2.0	0.0 - 2.0	% RPD
	Linetts	Notes			Duplicate of OT3842SA		
PARAMETER/METHOD (UNITS)				;			
Sell PH. SWOMSNONE (none)			Š		Ş	5	
noc man 11d c 506-570		-	Ç.		<b>7</b> C.	95.	
PERCENT MOISTURE/02316 (%)			=		8	Ç	0001
recent Mostuse						9.71	0.071
METALS, TOTAL by ICP/SW 6010 (mp/kg)					i		
Abrumen	200		5.5		1900 J	_ 009E	37.9
Antemony	25.0		6		2.44 JQ	Σr 6 <u>6</u> Ε	P 6.6
Berdin	0.300		2	0.011	10190	1.58 JO	•
Calcium	10.0		25.1		92400	116000	12.6
Chromium	\$.00			1.47	7.58	Of £.01	
Cobalt	2:00			0.22	2.79 JQ	3.94	
Copper	90. 200. 200. 200. 200. 200. 200. 200. 2		,	0.94	7.14	Or 103	11.6
Tour	2,00		5. 6		097/	1 00811	4/0
Миртелит	0.67		2.8		1 381	227	10.5
Mohbdenum	200			3.15	Or ICI	Or 161	
Nickel	2.00			0.46	7.93	809	
Potassium	0 09		26.1	•	1420 J	7 0617	42.7
Sodium	25.0			42.6	17.9 3	338 7	
Venedium	8 5		0.0	7.7	19.7	376 1	1 66
	3		3			•	
ARSENIC, TOTAL by GFAA/SW 7069 (mg/kg) Arenic	0.500			0.396	1.18	2.42	
LEAD, TOTAL by GFAA/SW 7421 (mp/kg) Lead	0.500		6.5		25.4	20.9	19.4
SELENIUM, TOTAL by GFAA/SW 7740 (mg/kg) Seknium	0 \$00		Ц	2.0907			
GCMS for Yoladie Organics - SW2244/NONE (Mg/hg) Tolvene	0.00500			0 00371	0 00304 JQ	0 00832	
GCMS for Semi-Volatile Organics (Capillary Column - SW2270/SW3599 (mg/kg)							
Chrysene	0.333			1			
Di-rr-butytyhttudate	0.333			0.3873		,	
Fluoranthene	0.333			0.333	O. 02.30	× 3/4	
Principalitation	0.331			0.3628			
bis(2-Ethylbexyl)phthalate	0,333						
Para Carallandana Bara Natar							

Data Qualification [TaiguNeter:

] = Estimated quantitation based upon QC data

18 = Estimated quantitation possibly biased high or a fabe positive based upon blank data

14 = Estimated quantitation: possibly biased high based upon QC data

15 = Estimated quantitation: possibly biased how or a fabe negative based upon QC data

16 = Estimated quantitation: detected below the Practical Quantitation Limit (PQL)

R = Danum rejected based upon QC data, do not use.

\*Note: Percent RPD values greater than 30% are shown in boxes unless the sample or its duplicate is less than five time " "QL and the difference between the concentrations is less than two times the PQL.

in boxes acceeded RPD criteria. Associated sample results were qualified as estimated values (1)

John Pecore / 2-23-96	Sue D Max / 2-23/96
PREPARED/DATE	CHECKED/DA TE

\*Note Percent RPD values greater than 30% are shown in boxes unless the sample or its drapkeste is less than five times the PQL and the difference between the concentrations is less than two times the PQL.

Results in boxes exceeded RPD criteria. Associated sample results were qualified as estimated values (1)

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Part	AMETER/METHOD (UNITS)  PH. SW9445/NONE (Beek)  PH. SW9445/NONE (Beek)  CENT MOISTURE/D2216 (%)  and Moisture  and Moisture  INCAL by ICP/SW/4616 (Bap/kg)  and Moisture  a	Owneritation Limita  2 00 2 20 0 300 10.0 5 00 5 00 5 00 5 00 5 00 5 00	Notes ::	DIFFERENCE	0.0 - 2.0 Duplicate of OT3848SA	0.0' - 2 0'	¥ RPD	DIFFERENCE
172   759	Sell pit - SW944S/NONE (news) 623-9045 pH units Soil  PERCENT MOISTURE/D2216 (%)  Percent Moisture  METALS, TOTAL by ICP/SW/4416 (mg/kg)  Alminum Animony Berjium Chomium Chom	50 0 2 50 0 2 50 0 10 0 5 00 5 00 5 00 5 00 5 00 5 00						
170   150     150   170   150     150   170   150     150   170   150     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170   170   170     150   170     150   170   170     150   170   170     150   170   170     150   170     150   170   170     150   170   170     150   170     150   170   170     150   170   170     150   170   170     150   170     150   170   170     150   170   170     150   170     150   170   170     150   170   170     150   170   170     150   170   170     150   170   170     150   170   170     150   170   170     150   170   170     150   170   170     150   170     150   170   170     150   170   170     150   170   170     170   170     170   170   170     170   170   170     170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170     170   170   170	Percent Moisture Percent Moisture METALS. TOTAL by ICP/SW 4616 (mg/kg) Aluminum Antimony Berrium Berrium Chorium Chorium Choper	50 0 2 50 0 2 50 0 2 50 0 10 0 5 00 5 00 5 00 5 00 5 00 5 00						
170   150     150   150     150   150     150	Percent Mosture  METALS, TOTAL by ICPSW 4416 (mg/kg)  Abrainan  Antimony  Berytium  Choim  Choim  Choper	50 0 2 00 0 0 300 10 0 5 00 5 00 5 00 5 00 5 00 5 00 5			777	7.59	1.7	
25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	METALS, TOTAL by ICP/SW 6416 (mg/kg) Aluminum Anthinony Barrium Calcium Calcium Caromium Coball Copper	\$0.0 25.0 25.0 2.30 0.300 10.0 5.00 5.00 5.00 5.00 5.00 5.00			17.0	16.0	1.0	
25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	Antimony Bartim Beryllium Calcium Coball Copper	50 0 2 5 0 2 5 0 1 0 0 5 00 5 00 5 00 5 00 5 00 5 00						
25.0 0.47 2.79 JQ 4227 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	Berium  Berytlium Calcium Chronium Cobal	25.0 2.300 10.0 5.00 5.00 5.00 5.00			07.67	10700	29.2	
0.500	Beryflium Calcium Chromium Coball	5.00 5.00 5.00 5.00 5.00 5.00 5.00		0.47	2.79 JQ	1.42	156.2	
100	Culcium Chromium Cobal Copper	5.00 5.00 5.00 5.00 5.00 5.00			82.0	83.6	1.9	
1,13	Chemi Cobali Copper	8888	J	0.97	•			
1,13	Cobali Coper Iron	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		uı	138000	139000	0.7	
100   100	Copyer	288		517	4 10	2	ž	
1000   1000   1320   1320   1320   1300		500		3.16	Of 1:81	3 5	C7 #	
25.0 100 100 100 100 100 100 100 100 100 1		24.0			00601	2, 00,001	0.72	
100   0.66   130   479   479     500   52.87   130   170     500   22.87   1430   170     500   23.87   1430   170     500   23.87   1430   170     500   23.8   2   14   23.3     1.24   2.3   2     1.24   2.3   2     2.48   J   3.53   J     2.50   2.50   1.24   2.3     2.50   2.50   2.50     2.50   2.50   2.50     2.50   2.50   2.50     3.50   3.50   3.50   3.50     3.50   3.50   3.50   3.50     3.50   3.50   3.50   3.50     3.50   3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.50   3.50     3.50   3.50   3.50     3.50   3.50   3.50     3.5		9.7			2420	2800	7 7	
100   100	Management of the second of th	99			512	479	2 5	
1,00   1,00	And your little	8.8		99.0	Or 08:1	Of 16.2	7	
250 1430 1770 1635 163 163 1770 1635 1770 1770 1770 1770 1770 1770 1770 177	Odestien	200		52.87	219	742	001	
230	Odium	B 6	Į		1430	1770	213	
0 500	முர்கள் ச	0.67	ل	260.1	95.0	103	<b>-</b>	
0 500	Pr.	8 8		8.7	21.4	23.3	\$ 6	
0 500						5	0	
0 500	AND THE TOTAL OF GLANTW 7868 (MORE)							
0 500 0.00528 0.000615 JQ 0.000659 O.000659 O.000659 O.00965 O.0096 O.00965 O.00965 O.00965 O.00965 O.0096 O.0096 O.00965 O.00965 O.00965 O.00965 O.00		0 200		1.24	5.48 J	3.53 J	43.3	
0 500 0 500 0 00500 0 0333 0 333 0 333 0 13504 0 00566 JQ (1964) JQ 0 0395 0 0395 0 0395 0 0395 0 0196 JQ 0 0	LAD, TOTAL by GRAASW 1421 (mg/le)							
0 00500 0.00528 0.000615 JQ 0.000653 0.0000653 0.0000653 0.0000653 0.0000653 0.000653 0.000653 0.0000653 0.000653 0.000653 0.0006	per control of the co	0.500			22,	280	2. E	
0 00500 0.00528 0.000615 JQ 0.000659  20 0.333 0.33504 0.0568 JQ 0.0396 JQ 0.0399 JQ 0.0396 JQ 0	ELENIUM, TOTAL by GEAASSW 7248 (marks)						•	
0 00500 0.00528 0.000615 JQ 0.00063 0 333 0.3504 0.0688 JQ 0.0396 JQ 0 333 0.0356 JQ 0.0396 JQ 0 0 333 0.0566 JQ 0.0566 JQ 0.0569 JQ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	clerium	0.500						
0 00500 0.00528 0.000615 JQ 0.00663 0 333 0.3504 0.0568 JQ 0.0396	Control of the Contro							
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	obene	0 00200		865000	01 \$12000 0			
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					N Clonon	0.00003	4.64	
0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.335 0.345 0.356	PACIFICATION STREET WINDSHIP CATEGORIES (CONTINUED - 5 WWS TANK WORKE)							
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	h-n-butydphthalarle	0 333						
0.0333 0.0333 0.0334 1Q 0.0335 1Q 0.	Noranthene	EE 0		0.3604				
0 3 3 5 0 0 5 5 0 0 5 0 0 5 0 0	henardwene	0.333		0.3504		003% JQ	53.9	
0 136 JO C C S S S S S S S S S S S S S S S S S	yrene	0 333					974.6	
	at 2-Eurythexyj iphumiste	0 333					979	
£.	Sta Qualification Pleachloter:							
	The statement of the st							
	H = Estimated quantitation: possibly bissed high based upon QC data							
	. Lateriated quantitation, detected below the Practical Ournitation Limit (POI).					P.	EPARED/DATE Joh	n Pecore / 2-23-96

FIELD DUPLICATE SUMMARY TABLE
AEROSPACE MUSEUM SITE
Naval Air Station Fort Worth Joint Reserve Base, Caitwell Pield
Fort Worth, Toxas

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TABLE 1-4

FIELD DUPLICATE SUMMARY TABLE GROUNDS MAINTENANCE Y ARD Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

		Or otherway	) of the state of		1	
		Sample Date:	73-0CT-95	OT3911SA 23-OCT-95		
PARAMETER/METHOR/UNITS	Quantitation Limits	Depth: Notes:	0.0 - 2.0 Dupticate of OT3911SA	0.0 - 2.0	% RPD	DIFFERENCE
Sall pil SW9044NONE (hone) 623-9045 pH unto Soal			7.69	7.86	70	
PERCENT MOISTURE/DILLS (%) Percent Moisture			: <b>S</b>	21.0	3	
METALS, TOTAL by KCPSW 6010 (mple)				·	2	
Abmarum	20 0		0689	7000	16	
Antimony	25.0					
Beryflium	200		177	≅ ;	3.3	
Calcium	10.0		176000	177000	ے و	
Chromium	200		48.2.1		ļ	26
Copper	9 9 8		2.89 JQ	3 to JQ	j	0.27
Iton	200		50.50 01.29	9.59 JQ	•	0.56
Magnesium	25.0		2200	2260	2.7	
Manganese	1 00		11.1	463	3.3	
Nickel	00° 5		2.17 JQ	2.30 JQ	,	0.13
Pobsanim	000		241	257	<b>4</b> 4	
Sodium	25.0		403	400	0.7	
Vanschum Zinc	8.5		9.12	9.11		0.01
2	8		<b>22</b> 1	112	8.5	
ARSENIC, TOTAL by GFAASW 7868 (mg/kg) Absenic	0.500		1.82	2.05		0.23
LEAD, TOTAL, by GFAA5W 7421 (mg/g) Lead	0.500		17.5	20.2	143	
SELENIUM, TOTAL, by GFAASW 7746 (mg/kg) Selenum	0 500					
Organochierine Perdicides and PCBs - SW80005W3556 (mg/kg) 4.4-DDB 4.4-DDF 4.4-DDT Chordane Methoxychior	0 00333 0 00133 0 00333 0 0166		QL 78100.0	< 004 13		0 00246
Chlerinated Herbicides - SWEISGMETHOD (mg/kg) 2,4,5-TP (Silvex)	0 00400		<.00488	0 00551		0 0006
GC/MS (or Volatile Organics - SW824&NONE (mg/kg) Tolvene	0.00500		0.00631	0.0112		0 00063
GCMS for Som-Volatile Organics (Capillary Column - SW1270/SW3558 (mg/kg)						
2-Methylmphthalene Acenaphthene Bentid landmacene Bentid landmacene	0 333 0 333 0 333		0.159 JQ 0.0343 JQ	<419 < 419		0 00061
המנהילות ולה) במום	0 333	٠,				
		`				

E C

FIELD DUFLICATE SUMMARY TABLE GROUNDS MAINTENANCE YARD NAVI AIT Station Fort Worth Joint Reserve Base, Carmell Field Fort Worth, Texas	•					
Parameter/method(Units)	Quantitation Limits	Sample ID: Sample Dete: Depth: Notes:	FDUP-06 23-OCT-95 0 0' - 2.0 Duplicate of OT3911SA	0739118A 23-0CT-95 0.0 - 2.0	* RPD	DIFFERENCE
CCMS for Semi-Volutile Organics (Capillary Column - SWIZ7MSW3559 (mg/kg) (Cont/d) Benzo(b)fluorantheme Chrystele Dirachyphthalie Fluorantheme Naphthalene Naphthalene Phenantheme Prenentivere Prenentivere	0 333 0 333 0 333 0 333 0 333 0 333		90 900 90 90 90 90 90 90 90 90 90 90 90	\$ 5 5 5		0.376 0.3467 0.3952 0.16 0.3459

TABLE 2-4

Date Qualification EngerNotes:

J = Estimated quantistion based upon QC data

IB = Estimated quantistion, possibly biased high or a fabe positive based upon blank data

III = Estimated quantistion; possibly biased high based upon QC data

II. = Estimated quantistion; possibly biased low or a fabe negative based upon QC data

IQ = Estimated quantistion; possibly biased low or a fabe negative based upon QC data

IQ = Estimated quantistion; detected below the Practical Quantitation Limit (PQL)

R = Datum rejected based upon QC data; do not use

\*Note Percent RPD values greater than 30% are shown in boxes unless the sample or its daplicate is less than five times the PQL and the difference between the concentrations is less than two times the PQL.

[\_\_\_] Results in boxes exceeded RPD criteria. Associated sample results were qualified as estimated values (J)

EJ.

TABLE 2-4

FIELD DUFLICATE SUMMARY TABLE GROUNDS MAINTENANCE YARD Naval Air Station Fort Worth Joint Roserve Base, Carrwell Pield Fort Worth, Texas

		Sample ID	EDY IDOR	OTTOPICEA		
	Ø	Sample Date	24-OCT-95	24-OCT-95		
	•	.,	00-20	0.0 - 2.0	* RPD	DIFFERENCE
PARAMETER/METHOD/UNITS)	Limits	Notes: D	Duplicate of OT3925SA			
<b>3ell p.H. <u>SWydds</u>NQNE (nege)</b> 623-0043 pH uniu soë			787	7.74	0.1	
PERCENT MOISTUREDZIJE (%) Percent Moisture			0.61	17.0	=	
METALS, TOTAL by ECPSW 6610 (mg/kg)						
Abrigation	200	-	7680	7520	2.1	
Parium Barium	25.0		126	125	c	
Berylium	0 300		0.521	0.535	3	100
Chromina	0.01		128000	122000	4	į
Cobet	8 2		9.21	7.40 7.50 IO		18 C
Copper	5 00		70.6	186		11.0
Memorium	5.00		0889	0169	6.0	
Managarese Managarese	1.00		2110	2140	77	
Molybdenum	200		2	077	O.	
Nickel	5.00		6.78	7.76		860
Potassitan	0 09		1540	1660	7.5	
Vanadium	25.0		84 13-1 13-1	132 JB	9.9	1
Zinc	00 1		21.2 J	32.4 )	18	6.0
			: ! !	] :		
ARSENIC, IOTAL by GFAASSW 7669 (mg/kg) Arsenic	0.500		0 844	0.814 JH		0.03
<u>LEAD, TOTAL by GFAASW 7421 (mg/kg)</u> Lead	0.500		60.6	8.67	43	
SELENIUM, TOTAL by GFAASTW 7748 (mg/kg) Selenium	005 0					
Organicalierine Periteider and PCBs - SWB094/SW3559 (mg/kg) 4/4-DDD 4/4-DDT Chlordane Methoxychlor	0 00333 0 00133 0 00333 0 0 166					
<u>Chlorinated Herbicides - SW11SAMIETHOD (mg/lg.)</u> 2,4,5-TP (Sivex.)	0 00400					
GCMS for Volatite Organics - SW1244/NONE_(mghg) Toluene	00500		< 00594 J	9.0336 JQ		0 02766
GCIMS for Semi-Velatife Organics (Capiflary Column - SWIZ705W1559 (mg/kg) 2-Methytraphthalene Acmaphthane Benzel, abrithmene	0 133 0 333 0 333					

E C

TABLE 2-4

FIELD DUPLICATE SUMMARY TABLE GROUNDS MAINTENANCE YARD Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Semple ID	FDUPOS	OT39258A		
		Sample Date:	24-OCT-95	24-OCT-95		
	Quantitation.	Depth	0.0' - 2.0'	0.0' - 2.0'	W RPD	DAFFERENCE
PARAMETERMETHODOUNITS	Cmit	Notes	Duplicate of OT3925SA		<b>!</b>	
GC/MS for Semi-Velatile Oresake (Casillary Calama - SW22 Jacks) (Casillary Calama						
Benzo(b)fluoranthene	נגניט					
Chrysene	61.0					
Di-n-butyphthalate	EEE O					
Phontathene	0.111		4 7 7			
Plucrene	0.333			0.0127		0.3973
Nephthalene	0.333					
Phenanthrene	0.111					
Pyrene	0 333					

Date Chaliffication Flags/Notes:

J = Estimated quantization based upon QC data

JB = Estimated quantization possibly bissed high or a false positive based upon blank data

HH = Estimated quantization possibly bissed high best upon QC data

JL = Estimated quantization; possibly bissed low or a false negative based upon QC data

QC = Estimated quantization; possibly bissed low or a false negative based upon QC data

R = Datum rejected based upon QC data do not use

\*Note Percent RPD values greater than 30% are shown in boxes unless the sample or its depisors is less than five times the PQL and the difference between the concentrations is less than two times the PQL.

Results in boxes exceeded RPD criteria. Associated sumple results were qualified as estimated values (3)

TABLE 2-4

FIELD DUPLICATE SUMMARY TABLE GROUNDS MAINTENANCE YARD Naval Air Station Fort Worth Joint Reserve Base, Cartwell Field Fort Worth, Texas

		Semple Date	14.0CT-85	OF 39285A		
	Quantitation	Depth	0.0 - 2.0	00-20	% RPD	DIFFERENCE
PARAMETERMETHODQUNITS)	Chmits	Notes	Duplicate of OT3928SA		1	
<b>3ell p.H SW9045/NONE_ (nene)</b> 623-9045 pH units Soil			7.54	7.24	=	
PERCENT MOISTURE/D2116 (%) Percent Moisture			12.0	17.0	34.5	
METALS, TOTAL by ICP/SW 6919 (mg/s)						
Aburunun	200			1700	1.8.1	
Anumony Barium	25.0		CX 18:1	\$0\$ 18		18 69
Berylbum	0.300		<u>8</u>	<u>*</u>		<u> </u>
Caloum	0.01		127000	113000	1.1	
Chromatan	8 8			Z6.2 JQ		12.2
Copper	B0.5		264 10	3.03 70		60.0
iron	\$ 80		6490 1	0630	39.0	•
Magnesium	25 0		1870	2310	21.1	
Makademan	8 8		339	381	8.0	7.0
Nickel	200		59.3 1		64.7	£ >
Potassium	0 09		1560	2060	27.6	
Sodium	250		BI \$ 68	8f £01	;	13.5
Zinc	861		10.59 10.09	87.4 3	37.2	
ARSENIC, TOTAL, by GFAASW 7666 (mathe) Arsenic	0.500		Ht A.St	294 J	135.9	
LEAD, TOTAL by GFAASW 7421 (mg/kg)   con	ş				7 201	
	n. 300		1 6.61	7 0.08	137.6	
SELENIUM, TOTAL by GFAASW 7746 (mpfle) Schmum	0.500		Q. 410 JQ	<453		0 043
Organochlorine Perticides and PCBs - SW9000/SW3559 (mg/kg)					Į	
7.4°D8	0.00333		<.00374 J 0.000986 JQ	0.0342 J 0.143 J		0.03046
4.4"-DDT	0,00333		< 00374 J	0.176 J		0.17226
Chlordane Methoxychlor	0.0166		0.0375 J 0.0129 JB	0.0773 J 8910.		0.0098
Chledinated Herbiches - SWBI SAMETHOD (mg/kg)	50,00					
(mann) in the	N.ODMOO					
GCMS for Volatile Organics - SWEL46/NONE (mg/Lg) Tolvene	0.90500		O 00159 JQ	89900 0		0.00509
GCMS for Semi-Volatile Organics (Capillary Column - SW3279/3594 (mp/kg) 2-Methylusphthalene	0 333					
Acenaphthene Benzd s)writhracene Benzod s)pyrene	0.333 0.333 0.333		< 373 J < 373 J	0 0445 JQ 0 0433 J		0.3285
(ACC-118)		·~				
NAC-1100		7	•	•	•	•

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2-4	DUPLICATE SUMMARY 1
3	٩
TABLE	FIEL

FIELD DUPLICATE SUMMARY TABLE GROUNDS MAINTENANCE YARD Navel Ale Station Fort Worth John Reserve Rase, Cartwell Field Fort Worth, Texas

PARAMETER/METHOD(UNITS)	Quantitation Umits	Sample ID: Sample Date: Depth: Notes:	FDUP07 24-OCT-95 0 0 - 2.0 Dubicate of OT3928SA	0739285A 24-0CT-95 0.0 - 2 0	% RPD	DIFFERENCE
GCIMIS for Semi-Vehatite Organics (Capillary Column - SWE1705W1558 (mg/kg) (Cant'd) Benzoth illuoranthene Chrysene Di-n-butyphthalate Fluoranthene Naphthalene Permularene Permularene	0.333 0.333 0.333 0.333 0.333 0.333		4373 J 4373 J 40273 J 90 IST J 60 IST J	0.059 J QL 8500 QL 8500 QL 8780 QL 878		0.3071 0.3079 0.3713 0.0722
			0.770.0			1690

Data Qualification Flags/Neter;

J = Estimated quantitation based upon QC data

JB = Estimated quantitation: possibly biased high or a fake positive based upon blank data

JH = Estimated quantitation: possibly biased high based upon QC data

JL = Estimated quantitation: possibly biased low or a fake negative based upon QC data

JQ = Estimated quantitation: detected below the Practical Quantitation Limit (PQL)

R = Datum rejected based upon QC data do not use

\*Note Percent RPD values greater than 30% are shown as boxes unless the sample or its duplicate is less than five times the PQL and the difference between the concentrations is less than two times the PQL.

Results in boxes exceeded RPD criteria. Associated terruple results were qualified as estimated values (1)

PREPARED/DATE: John Pocore / 2:23-96 CHECKED/DATE: Sue D. Max / 2:23-96

#### Metals Analyses

- Sample OT3811SA and its duplicate FDUP-01 had an RPD greater than 30 percent for calcium and zinc, and nickel failed the difference criteria. The sample and FDUP-01 were qualified "J" for these metals.
- Sample OT3821SA and its duplicate FDUP-02 had an RPD greater than 30 percent for barium and magnesium, and sodium failed the difference criteria. The sample and FDUP-02 were qualified "J" for these metals.
- Sample OT3831SA and its duplicate FDUP-03 exceeded the difference criteria for selenium. FDUP-03 was qualified "J" for this metal. Sample OT3831SA was previously qualified "JL" for selenium based on low post digestion spike recovery.
- Sample OT3942SA and its duplicate FDUP-04 had an RPD greater than 30 percent for aluminum, iron, manganese, potassium, and zinc. Beryllium and sodium failed the difference criteria. The sample and FDUP-04 were qualified "J" for these metals.
- Sample OT3848SA and its duplicate FDUP-05 had an RPD greater than 30 percent for arsenic. The sample and FDUP-05 were qualified "J" for arsenic.
- Sample OT3911SA and its duplicate FDUP-06 exceeded the difference criteria for beryllium and chromium. The sample and FDUP-06 were qualified "J" for these metals.
- Sample OT3928SA and its duplicate FDUP-07 had an RPD greater than 30 percent for arsenic, iron, nickel, zinc and lead. Chromium failed the difference criteria. The sample and FDUP-07 were qualified "J" for these metals.
- Sample OT3925SA and its duplicate FDUP-08 had an RPD greater than 30 percent for zinc. The sample and FDUP-08 were qualified "J" for zinc.

#### Percent Moisture

• Sample OT3842SA and its duplicate FDUP-04 had an RPD greater than 30 percent for percent moisture. The sample and FDUP-04 were qualified "J" for percent moisture.

#### Volatiles Analyses

• Sample OT3925SA and its duplicate FDUP-08 failed difference criteria for toluene. The sample and FDUP-08 were qualified "J" for this constituent.

## Pesticides/PCB Analyses

• Sample OT3928SA and its duplicate FDUP-07 failed difference criteria for 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and chlordane. The sample and FDUP-07 were qualified "J" for these constituents.

2.3.4.10 Field Blanks - Trip blanks were analyzed to assess sample contamination that may have occurred during shipping. Equipment blanks and ambient blanks were analyzed to assess sample contamination that may have occurred during sample collection. Table 2-5 presents the results of equipment blanks and ambient blanks. Table 2-6 presents the results of the trip blanks associated with two shipments of samples to be analyzed for volatile organics. Associated positive sample results may be attributable to blank contamination if the concentrations were less than or equal to five times the blank concentration or, for certain common laboratory contaminants, ten times the blank contamination. Sample results attributable to blank contamination were qualified as estimated (JB). Field blank results were nondetect with the exception of the following:

#### Metals Analyses - Equipment Blanks

- Equipment blank, EQB-1 collected on 10/22/95, contained 0.135 mg/L of aluminum, 0.250 mg/L of calcium, and 0.014 mg/L of zinc. All associated sample results for these metals were greater than five times blank concentrations; therefore, no results were qualified.
- Equipment blank, EQB-2 collected on 10/23/95, contained 0.120 mg/L of aluminum, 0.203 mg/L of calcium, and 0.013 mg/L of zinc. All associated sample results for these metals were greater than five times the blank concentration; therefore, no results were qualified.

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TABLE 2.5

EQUIPMENT AND AMBIENT BLANK TABLE
AEROSPACE MUSEUM SITE AND GROUND MAINTENANCE YARD
Naval Alf Station Fort Worff Joint Reserve Base, Carrwell Field
Fort Worth, Texas

ŏ Չ 0.0040 0.0259 0. EQB-3 24-OCT-05 0 0 - 0 0 <0.00500 <0.00500 <0 000 SOC <0.00500 0.110 0.0440 0.110 0.110 110 110 110 110 10040 10040 10040 10040 10040 10040 10040 EQB-2 23-OCT-95 0.0° - 0.0° <0.00500 <0.00500 <0.000500 <0.00500 <0.00200 0.00408 0.0040 0.0510 0.0204 0.0510 0.0408 0.102 70.0408 EQB-1 22-OCT-95 00-00 <0.250 <0.250 <0.0100 <0.0500 <0.0500 <0.600 <0.0500 <0.00200 <0.00500 CD.00500 <0.00500 <0.0000500 AMBL-2 24-OCT-95 0 0 - 0 0 AMBL-1 23-OCT-95 0.0° -0.0° Sample ID Sample Date Depth Notes Quantitades Limits 0.000500 0 500 0 250 0 0200 0 0200 0 0000 0 0100 0 0500 0 0500 0 0500 0000 0 00 500 0.00500 0 00200 ORGANOCHI.ORINE PESTICIDES AND PCB4 - SW1000ASW1520 (Me/L) SELENIUM, TOTAL BY GRANSW 7744METHOD (MPL) THALLIUM, TOTAL BY GFAASW3828/7841 (mg/L) Thalbum LEAD, TOTAL BY GFAA/SW3005M/7421 (mg/L) MERCURY, TOTAL BY CVAASW 7479 (mg/L) ARSENIC, TOTAL BY GFAA/SW 7968 (mg/L) METALS, TOTAL by ICP/SW 6010 (mg/L) PARAMETERMETHOD (UNITS) Addin Chlordane Dieldrin Endosulfan I Endosulfan sulfate Endosulfan sulfate 3517-320 4,4-DDD 4,4-DDE 4,4-DDT AR121 AR123 AR124 AR124 AR126 AR126 3

0.228 0.228 0.228 0.242 0.248 0

60200 60200 60200 60200 60200 60200 60300 

Comparison   Com		EQUIPMENT AND AMBIENT BLANK TABLE AEROSPACE MUSEUM SITE AND GROUND MAINTENANCE YARD North And Station Fort Worth Joint Reserve Base, Curruell Field Fort Worth, Teass			
PARAMETERANGETHOOD (UNITS)   Limits   Notes:			Quantitation	Sample ID : Sample Date Depth :	AMBL-1 23-OCT-95 6.0' - 0.0'
Delication   Del		Parametermethod (units)	Limite	Notes:	
Participation   100		ORGANOCHLORINE PESTICIDES AND PCD - SWOOMSWASD (MICL) CORF.			
Injectable opposite		Endrin aldehyde Henhethie	0 100		•
Nethorytoken   200		Heptachlor epoxide	00800		
### ### ### ### ### ### ### ### ### ##		Methoxychlor	0.500		•
beta BHC data data data data data data data dat		Loxuphene Lipha-BHC	2.00		٠
### SETTEMENT RECORD CONTROLLED C		bela-BHC	0000		, ,
## SETTEMER RECEIVED LINES   CONTROL    14. TO CALL CONTROL   CONTROL    24.5. TO CALL CONTROL    25. TO CALL CONTROL    26. TO CALL CONTROL    27. TO CALL CONTROL    28. TO CALL CONTROL    29. TO CALL CONTROL    20. TO CALL CONTROL		octa-BHC gamma-BHC (Lindane)	0.0500		. • •
ust-Dibutyleliocendule % 8 31-180  24.5-TP (Silvect) 25.5-TP (Silvect) 25.5-TP (Silvect) 26.5-TP (Silv		% Surregale Recovery (Coupred Limit)			
CHILORINALED HERBICIDES - SPREIGHAD LONG         0.300           2,4.7 (Silvect)         2,4.7 (Silvect)         0.300           2,4.7 (Silvect)         2,4.0         2.00           2,4.D (Silvect)         2,00         2.00           2,4.D (Silvect)         2,00         2.00           Debander         0.300         2.00           Debander         0.300         2.00           Debander         0.300         2.00           Debander         0.300         0.700           MCPP         1.9         1.9           MCPP         1.9         1.9           MCPP         1.9         1.9           MCPP         1.9         1.9           MCPP         1.1         1.1           MCP		sur-Dibutylchkorendate %R 33-186			•
2,4,5,17       2,4,5,17       2,4,17       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       2,4,19       3,00       1,1,2,1,4,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,		RINATED HERBICIDES			
2.4.D		(ethan)	0 200		٠
2.4.DB Delanter Delan		24.7 if (Saves)	0.200		•
Dealblocyclop   Dealblocyclo		14DB	3.00		
Dischieropop   Dischieropop   Dischieropop   Dischieropop   Dischieropop   Dischieropop   Dischieropop   Dischieropop   Discosch   MCPA   159		Disarba	7.00		
150		Dichloroprop	0.20		
150	2	Diroceb	0.70		
1.2   2   2   2   2   2   2   2   2   2	-4	MCPA	<u>s</u>		•
14 NVIC COMPOUNDS BY GC/MS - SWIZ46N/ONE [Mg/L]  Substitute  blance  blance  compound by GC/MS - SWIZ46N/ONE [Mg/L]  Substitute  Substitut	0		2		
NICCOMPOUNDS BY GCMS - SWEZAGMONE (ARCL.)  500  500  500  500  500  500  500  5		24. Surregale Recevery (Control Liberty sur-DCAA 5/R 28-124	,		
ANIC COMPOUNDS BY GCMS - SWEZAGANONE (Jag L.)  1			•		•
200 500 500 500 500 500 500 500 500 500		VOLATILE ORGANIC COMPOUNDS BY GCMS - SWILLSONDE (MOL)	į		
200 200 200 200 200 200 200 200 200 200		1,1,2,2-Tetrachloroethane	8 5		•
2500 500 500 500 100 100 100 500 500 500		1,1,2-Trichloroethane	200		
100 500 500 500 500 500 500 500 500 500		L.JDichlocoeffiene	88		•
Sign Sign Sign Sign Sign Sign Sign Sign		1.3.Dichlorochane	8.5		•
100 100 100 100 100 100 100 100 100 100		1,2-Dichloropropane	200		
100 100 100 100 100 100 100 100 100 100		2-Butternore (MEX) 2-Chlomathal views after	001		•
100 100 100 100 100 100 100 100 100 100		2-Hexanone	9 9		•
100 500 500 500 500 500 500 500 500 500		4-Methyl-2-pentanone	2		
500 500 500 500 500 500 500 500 500		Actone	10.0		, ,
500 500 500 500 500 500 500 500 500		Bromodichloromethane	2,00		,
100 500 500 500 500 100 500 500		Bromoform	8.5		,
500 500 500 500 500 600 600		Brothomethane	000		
500 500 500 500 600 600		Carbon destinde	200		•
5.00 10.0 5.00 0methane 5.00 5.00 6.00		Chambarane	200		•
500 omethane 500 500 omide		Chlorochane	200		
100 500 500 500		Chloroform	90		. ,
		Chloromethane	0.01		,
		DATOTOCOLOGNETHENE Ethinghamman	2 00		,
		Methylene chlanide	<u>8</u>		,

EQB-3 24-OCT-95 00 - 00

EQB-2 23-OCT-95 00-00

EQB-1 22-OCT-95 00-00

AMBL-2 24-OCT-95 0.0' - 0.0' -0.110
 -0.0330
 -0.550
 -0.550
 -0.220
 -0.0330
 -0.0350
 -0.0550
 -0.0550
 -0.0550
 -0.0550

<0.102</0>
<0.0306</0>
<0.0310</0>
<0.0310</0>
<0.0310</0>
<0.0310</0>
<0.0310</0>
<0.0310</0>
<0.0310</0>

77.7

3517-32

**8 8** 

cis-1,3-Dichloropropene trans-1,2-Dichloroethene trans-1,3-Dichloropropene

3517-320

Xylenes (total) cis-1,2-Dichloroethene

TABLE 2-5

EQB-3 24-OCT-95 00-00 \$\frac{2}{2}\$ \frac{2}{2}\$ \fra 03.0 98.0 01.0 EQB-2 23-OCT-95 6 Ø - 8 Ø \$\frac{1}{2}\$ \$\ \$5.50 \$6.50 \$6.50 EQ8-1 22-OCT-95 0.0 - 0.0 8, 8, <u>9</u> AMBL-2 24-OCT-95 00 - 00 \$2.50 \$2.50 \$2.50 \$2.50 \$2.50 \$2.50 \$2.50 \$2.50 \$2.50 \$2.50 \$3.50 \$\frac{1}{2}\$\frac AMBL-1 23-OCT-95 0.0 · 0.0 Sample 1D: Sample Date: Depth: Notes: Quaetttaffer Limbts 2.500 VOLATILE ORGANIC COMPOUNDS BY CCMS - SW1246NONE (MEL) CHICA VOLATILE ORGANIC COMPOUNDS BY CCMS - SWILLANONE (1981).

1, 1, 1-Trichbroechane

1, 2, 2-Terachbroechane

1, 2-Trichbroechane EQUIPMENT AND AMBIENT BLANK TABLE
AEROSPACE MUSEUM SITE AND GROUND MAINTENANCE YARD
Naral Alf Station Fort Warth Joint Reserve Base, Carreell Field
Fort Worth, Texas % Surregate Recevery (Control Limit) sur-1,2-Dicthorocthane d4 %R 76-114 sur-Bromoftworobenzene %R 86-115 sur-Tohtene-d5 %R 88-110 PARAMETER/METHOD (UNITS) 2-Butanone 2-Chloroethyl varyl ether 2-Hexanone Xyferes (total)
cis.1,2-Dichloroethene
cis.1,3-Dichloropropene
trans.1,2-Dichloroethene burs-1,3-Dichloropropene Chloromethane Dibromochloromethane 1,1 Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane - Methyl-2-pentanone Carbon disulfide Carbon tetrachloride Ethylbenzene Methylene chloride **Tetrachloroethene** etrachloroethene /myl chlonde Vinyt acetate

	Z.
	35
	EQUIPMENT AND AMBIENT BLANK TABLE LEROSPACE MUSEUM SITE AND GROUND MAINT
	LAN!
	N E
	ABIE M SI
	DAN
	TAN
7	MEN
ABLE 2.S	TENOS EROS
	5.2

Fort Worth, Lexas								
		Sample 1D	AMBL-I	AMBL-1	EQB-1	EQB-1	EQB-3	I
		Sample Date	23-OCT-95	24-OCT-95	22-OCT-95	23-OCT-95	24-OCT-05	
	Limits	Notes	0.00	D.O. D.O.	00.00	0.0 - 0.0	00.00	
PARAMETERAMETHOD (UNITS)							İ	i
% Surrogate Recurery (Control Limit)								
sur 1,2 Dichloroethane d4 %R 76-114			0.96	•	94.0	940	,	
sur-Bromoduorobenzene %R 86-115			910	•	96.0	950		
Stat-10 Number 6-45 76 K 88-110			0. 8.	•	0.001	0.06		
SEMI-VOLATILE ORGANIC COMPOUNDS BY COMS - SW27965W3528 (MCL.)								
1,2,4 Trichlorobenzene	10.0		,	•	<10.0	<10.9	₩.	
1,2-Dichlorobenzene	10.0			•	<10.0	<10.9		
1.3-Dichlorobenzene	00		•	•	<10.0	<b>√10.9</b>	\$11 <b>&gt;</b>	
1.4-Ushlorocetzere	0.00		,	•	001>	6.01>	# .	
4.4.2- inchespicato	007			•		7.10	£	
2.4 Dichlorohenol					0.00 0.00	6017		
2,4-Dimethytohenol	000					< P. C.		
2.4-Denitrophenol	2			•	005	7		
2,4-Dankotohume	10.0			•	<   0.0	60₽	<b>8</b>	
2,6-Dinitrotolytems	10.0			•	<10.0	<10.9	<b>8</b> 118	
2-Chloronaphthalene	00			•	<10.0	<10.9	<b>*</b> I V	
2-Chlorophenol	0.01		,	•	000>	601>	<b>*</b> II>	
2-Methyphapathalene	0. d			•	900V	601>	<b>\$</b>	
2. Nitrogenijas	D 5		•	•	000	0.01	₩.	
2-Nitrophenol	90		٠. ١			<b>7 0 0 0 0 0 0 0 0 0 0</b>	8880	
3.3-Dichlorobenzidine	900		,	•		717	117	
3-Nitroaniline	20.0		,	•	985	775	# # P	
4,6-Divito 2-methylphenol	\$0.0		•	•	<\$0.0	775	<b>88</b> \$	
4-Bromophenyl phenyl ether	10.0		•	•	901>	<b>6</b> 00>	₹:	
4-Chloromiliae			•	•	00 <del>0</del>		₹ ₹	
4-Chloropheryl phenyl ether	001		, ,		000	- 601>		
← Methylphenol	0.01		•	٠	\$100 	60I>	# T	
4-Nitrouniline	8		,	•	0.08>	\$.4\$	195>	
4-Nitrophenol	<b>20.0</b>		•	•	<30.0	<b>/</b> 8>	\$8\$>	
Actual Management	0.01			•	0°01>	601>	₩:	
Anthonograms	9 5		•	•		601V		
Benzialanthacene	2 5		,	•			7 7	
Berux(s)pyrene	10.0		٠	•	\$10°0	601>	• • • • • • • • • • • • • • • • • • •	
Berzolbifluorunthene	001		•	•	<10.0	6:0I>	<b>8</b> 1₹	
Berzol(Lh.)perylene	001		,	•	<010.0	<10.9 <10.9	<b>8</b> 1	
Denomination	0 9		•	•	0.00	601>	## F	
Benzyl alcohol	2 8		. ,			5 5		
Butyl benzyl phthalate	00		,	• •	<10.0	600	€ ₹	
Chrysene	10.0		,	•	00I>	601>	• • • • • • • • • • • • • • • • • • •	
Di-n-butyphttalate	10.0			•	0:01>	60l>	<b>8</b> I I>	
Di-m-octyphyblate	9			•	0'0l>	<100	<b>∞</b> ∵	
Libberd(a,h)sintroche Ditamas and	0.0		,	•	0.01>	6.01>	<b>=</b>	
Diethydalate	9 9			•	0.01	6017	<b>*</b> •	
Dimethybytchalase	90				001>			
Fluoranthene	0.01		•	٠,	001>	601>	=======================================	
Fluorene	00			•	001>	6012	==	
Hexachlorobenzene	00			•	0°01>	<10.9	## T	
Hexachlorobutadiene	900		•	,	0'01>	601/	<del>=</del>	

EQUIPMENT AND AMBIENT BLANK TABLE
AEROSPACE MUSEUM SITE AND GROUND MAINTENANCE YARD
Naval Ale Stotlen Fort Worth John Reserve Base, Carrool Field
Fort Worth, Texas

		Nemple ID	AMBL-1	AMBL-2	E08-1	FOR.	FOR.1
		Sample Date	23-OCT-95	24-OCT-95	22-OCT-95	23-OCT-95	14.0CT.95
	Ovanthistion	Depth	00.00	0.0 - 0.0	0.0 - 0.0	00.00	00-00
PARAMETERMETHOD (UNITS)	Clearite	Notes					
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCM3 - SW22705W3328 (me/l) const.	/L) com/.4						
Hexachlorocyclopentadene	001						
Herachlocochan			•	•	<10.0 R	<10.9 R	
index of 11 2 of	0.01		•		0.0I>	<10.9	₹
and i.e. s-capyrene	0:0				<10.0	6.01×	<b>3</b>
September 1	10.0			•	<10.0	<10.9	<b>\$11&gt;</b>
	0.01			•	<10.0	<10.9	<b>3</b>   V
Openizate	9:01				0.01 >	<10.9	# II >
remechorophenol	30.0		•	٠	<30.0	<32.6	- <del>(</del>
First and rene	10.0		•	•	<10.0	601>	**************************************
	10.0		•	•	<10.0	<10.9	<b>9</b>
	0.01			•	<10.0	<10.9	8 II>
And a construction of a mental of the construction of the construc	0.01			•	<10.0	<10.9	<b>≈</b> [   >
	0.01			•	<10.0	<10.9	<b>8</b> ii >
obs(and monopology) jeunes	0.01			•	<10.0 JL	<10.9 JL	71 # II>
ors a resignation to the second secon	10.0		•	•	<10.0	6:0l>	<b>=</b>
It-twice cooking to the particle of the partic	001		•	•	<10.0	<10.9	<b>■</b>
	10.0		•	•	0'01×	<10.9	8 H >
% Surregale Recovery (Control Linety)							
sur-2,4,6-Inbromophenol %R I0-123			•		55.0	699	₽:19
sur-2-r noroominchyl 74K 45-110			i		64.0	74.8	70.8
			ů.		D'BS	63.7	0.49
Surviva Cocal Lat. (2.7 ) (2.7 ) (2.7 )					65.0	72.8	747
Sub-Friedrich-Go 76K [U-94			•		0.19	669	71 0
sur-terpolentyl-a14 %K S6-141			•	•	65.0	80 PP	7 12

Data Qualification Flags/Noters:

J = Estimated quantitation based upon QC data

JB = Estimated quantitation possibly based thigh or a files positive based upon blank data

JH = Estimated quantitation; possibly based high based upon QC data

L = Estimated quantitation; possibly based long or a files negative based upon QC data

JQ = Estimated quantitation; detected below the Practical Quantitation Limit (PQL)

R = Datum rejected based upon QC data; do not use.

Results in boxes are reported above PQL

PREPARED/DATE John Pecore / 2.23-96
CHECKED/DATE Sue D. Max / 2.23-96

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TRIP BLANK TABLE
AEROSPACE MUSEUM SITE AND GROUND MAINTENANCE YARD
Naval Air Station Fost Worth Joint Reserve Base, Carmell Field
Fost Worth, Texas

Control   Cont			Sample Date:	23-OCT-95	24-OCT-95
105 BY CC/MS - SWEEGHVONE LINE(1)  5.00  6.00	PARAMETER/METHOD (UNITS)	Quantitation Limits	Depth: Notes:	0.0 - 0.0	0.0 - 0.0
Stock	VOLATILE ORGANIC COMPOUNDS BY GCIMS - SWELLENONE (MPL)				
Stocknown	.1.1-Trichloroethane	\$00°		,	\$
Management   Man	1,1,2,2-Tetrachkoroethune	200		. 1	3 5
Stock	1, 1,2-1 inchloroethane	5.00		•	
State	, I - Lycrigoretrane	2:00		,	200
Continues   Stop	, i-Lychloroethene	5.00		,	
Victorial Part   Vict	, Z-Dichloroethane	5.00		•	
No continue	2-Dichloropropane	8.00			3 5
10   10   10   10   10   10   10   10	-Buttone (MEK)	0 04		•	857
100   100	-Chloroethyl vinyl ether	0.00		•	100
Persistance   Persistance   Persistance	Hexanone	000			0.00
100   100		000		• 1	70.0 V
Decomposition of the part of	Leetone	0.01			70.0
A	kenzene	5		•	7 VIO.0
100   100	komodichloromethane	98		, ,	3 8
10.0   10.0	komoform	5		•	3 8
Indicate   500	romomethane				3.5
December   Control   Con	arbon disulfide	2		•	C.D.
100   100	ierbon tetrachloride	8 5		•	
100   100	Morobenzene	2		•	8 9
10   10   10   10   10   10   10   10	hloroethane		•		80
Descriptions   Desc	Noroform	96			0.01>
Marcon continue	Notomethane	001		•	800
Social Color	North conclusion and the second secon	0.01		•	<10.0
Stock	thyfbenzene	85			8
Stock	lethylane chloride	2 5		•	8
Percentage   Per	yrene	8 8		•	87
te to the following the follow	etrachloroethene	3 8		•	8.5
te	ohrene	3 5		•	8.5
100   100	richloroethena	3 5			8
10.0   10.0	inyl acetate	000		•	80.5
Stock	inyl chloride	2 2		•	0.01>
Noticethere	ykenes (total)	0.5		•	<10.0 <10.0
Solution	1-1,2-Dichloroethene	3 (		•	8.5
State   Stat	1-1,3-Dichloropropene	3.5			80.5
State   Stat	ms-1,2-Dichloroethene	3 5		•	8.5
S   S   S   S   S   S   S   S   S   S	tra-1,3-Dichlorogropene	8 ;		•	8.
	-	3			8.8
horrochame 48 76-114 -thorochame 48 86-115 -total 500 -	Surregate Recovery (Control Limit)				
Not obsuzzate   4/R 86-115   1-48   4/R 86-115   1-48   4/R 86-115   1-48   4/R 86-115   1-48   4/R 86-110   1-48   4/R 86-110   1-48	r-1,2-Dichloroethane-64 %R 76-114			•	0.501
-d8 %R 88-110  LOSCANIC COMPOUNDS BY GCMS - SWR264NONE (mg/L) 0 500 0 50	F-Bromofluciobenzene %R 86-115			•	6
C ORGANIC COMPOUNDS BY GCMS · SW2364NONE (mg/L)         0.500         <0.500	r-Tolume-d8 %R 85-110			•	0.61
or contrained to the contract of the contract	THE SOUTH THE PROPERTY OF THE				
0.500   0.50	PLATILLE ONGALIC COMPTUDING BY GUMB . SWEEDWINDING (MIL)	į			
0.500 1.00 1.00 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500	1.2.2.Tetrachloroethere	0 800		Ø.500	•
100   100	1.2. Trichlorus them.	0.500		90.500	
0.500 0.500 0.500 0.500 0.500 0.500 0.500	L. Dichlomethan	8-		00.1>	•
0.500		0.500		95 <del>(</del> 2	
propune 1 00 0.500 0.500		0.500		€ 500	
0.500 0.500		80 <del>-</del>		80 T>	•
		****			

TRIP BLANK TABLE
AEROSPACE MUSEUM SITE AND GROUND MAINTENANCE YARD
Naval Air Station Fort Worth Joint Reserve Base, Cartwell Field
Fort Worth, Texas

		Sample ID	TB-102395	TB-102495
		Sample Date	23-OCT-95	24-OCT-95
	Quantitation	Depth	0.0 - 0.0	0.0 - 0.0
	Clants	Notes		
FAKAME LEKIMELITOD (UNITS)				
VOLATILE ORGANIC COMPOUNDS BY GCIMS . SWRIGHNONE (MEL) cont. d.				
2-Chloroethyl viryl ether	200		00.5	•
2-Hexanone	500		80.50	•
4-Methyl-2-pentanone	8		<b>00</b> \$	•
Acetone	2:00		00.5	•
Benzene	0 500		9000	•
Bromodichloromethane	0.500		00 S00	•
Вготобот	8		<b>80</b> ∇	•
Brotnomethane	200		80°C	•
Curton disulfide	90.		00:5	•
Carbon tetrachloride	0 200		90 <del>(</del> 9	
Chlorobenzene	0.500		005.B	•
Chloroethane	2.00		90.G	•
Chloroform	0.500		OO 200	•
Chloromethane	2 00		00.C	•
Dibromochloromethane	0 200		905 P	
Ethylbenzane	0,500		00.500	•
Methylene chloride	200		27.00 7.00	•
Styrene	0 \$00		<b>9</b> 5.	•
Tetrachloroethene	0 200		<b>9</b>	*
Tolvene	0 200		905.00	•
Trichloroethene	0.500		90 OS	•
Viriyi acetate	200		00: ∇	
Varyl chloride	200		90.00	•
Xylenes (total)	96 1		00.1>	•
cis-1,2-Dichloroethene	0 200		00. ⊕	•
cia-1,3-Dichloropropene	0.500		00 S.00	•
trans-1,2-Dichloroethene	0 \$00		Ø5.500	•
trans-1,3-Dichloropropene	0.500		005'0⊳	•
% Surreente Recerery (Control Limit)				
sur-1.2-Dichloroethane-d4 %R 75-114			0.16	•
sur-Bromoftharobenzene %R 86-115			0.56	•
mm. Tohieme. 18 1/2 88. 110			100.0	•

Paris Caniffication Passed upon QC data

1 = Estimated quantisation based upon QC data

18 = Estimated quantisation; possibly biased high or a false positive based upon blank data

11 = Estimated quantisation; possibly biased high based upon QC data

12 = Estimated quantitation; possibly biased how or a false negative based upon QC data

13 = Estimated quantitation; detected below the Practical Quantitation Limit

18 = Datum rejected based upon QC data do not use

PREPARED/DATE John Pecore / 2-23-96
CHECKED/DATE Sue D. Max / 2-23-96

• Equipment blank, EQB-3 collected on 10/24/95, contained 0.064 mg/L of aluminum, 0.386 mg/L of calcium, 0.568 mg/L of sodium, and 0.006 mg/L of zinc. Associated sample results for aluminum, calcium, and zinc were greater than five times the blank concentration; therefore, no results were qualified. All associated positive sample results less than five times the blank concentration for sodium (284 mg/kg) were qualified (JB) based on blank contamination.

# Volatiles Analyses - Equipment Blanks

• Equipment blanks, EQB-1 and EQB-2, contained chloroform at concentrations of 0.549  $\mu$ g/L and 0.517  $\mu$ g/L, respectively. All associated sample results for chloroform were nondetect; therefore, no results were qualified.

# Volatiles Analyses - Ambient Blank

- Ambient blank, AMBL-1 collected on 10/23/95, contained 0.570 μg/L of chloroform. All associated sample results for chloroform were nondetect; therefore, no results were qualified.
- 2.3.4.11 <u>Interferences</u> The results for chlordane reported in samples OT3909SA and OT3916SA were rejected (R) due to interferences resulting from the detection of Aroclors in these samples.
- 2.3.4.12 <u>Completeness</u> Field completeness is defined as the number of field samples collected divided by the number of field samples planned. Field completeness was 100 percent for the sampling event because all samples were collected as planned.

The overall completeness of sampling and analysis activities is defined as the amount of acceptable data actually acquired divided by the total sample data planned. This calculation combines the field completeness and the analytical completeness. The overall completeness for the sampling event was 100 percent for all analytes with the exception of:

- 2-chloroethyl vinyl ether completeness was 96 percent for the GMY and 71 percent for the AMS as a result of rejected data due to failure to meet calibration criteria.
- Hexachlorocyclopentadiene completeness was 86 percent for GMY based on spike recovery failure in the laboratory control spike.
- Chlordane completeness was 93 percent for the GMY.

All analytical parameters met the 90 percent completeness goal for this project except 2-chloroethyl vinyl ether at the AMS and hexachlorocyclopentadiene at the GMY.

#### 3.0 ANALYTICAL RESULTS

The following sections present a summary of the analytical chemistry results of soil samples collected at the Aerospace Museum Site and the Grounds Maintenance Yard at the Naval Air Station Fort Worth, Joint Reserve Base, Carswell Field. The analytical data summary tables are presented in Appendix C. The positive analytical results for each site are presented in tables and figures in the following sections, along with a discussion of the constituents detected at the two sites.

#### 3.1 AEROSPACE MUSEUM SITE

The following section discusses the chemical constituents detected in soil samples collected from the Aerospace Museum Site. Forty-nine soil samples, two background samples, and five field duplicate samples were collected. The positive analytical results are presented in Table 3-1. This table also indicates which results were reported at concentrations exceeding the TNRCC Medium Specific Concentration (MSC) value for organic constituents, or the maximum background concentration and MSC value, for metal constituents. Constituents for which MSC criteria apply are also depicted on the associated figures to aid in the interpretation of the data.

### 3.1.1 Background Levels

Site-specific background levels of metals are based on the results from samples collected from two background locations adjacent to the site, OT3850SA, located south of the site, and OT3851SA, located north of the site (Figure 2-1). Sample data were compared to the maximum values obtained from the background samples. The secondary background sample was used when the maximum background concentrations were greater than the concentrations reported at the site. This occurred for three metals, lead, nickel and zinc. Lead appeared elevated in both background samples, indicating that the background locations may not be representative of background conditions.

TABLE 3-1

POSITIVE ANALYTICAL RESULTS
Astropace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carrooff Pield
Fort Worth, Texas

		Sample ID:	OT3801SA	OT3802SA	OT3803SA	OT3804SA
	:	Sumple Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	MSC	Depth See	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD (UNITS)						
SOIL PH - SW964SNONE (none) 623-9045 pH units Soil			7.84	7.73	117	7.1
PERCENT SOLID - DZZ16 /NONE (PETVENT) 673-DZ216 Mosture			\$	:	}	
METALS, TOTAL BY ICPAW(4) (\$2,000)	Ţ		8	4.00	17.0	21.0
Ahminum	ž		191	0757	obac.	
Anteniony	9.0		2.08 10	Of 22.1	0067	7.44
Bernen	200	]	80.0		129	121
Cadmium	0 0		2.40	22	906 0	0.584
Calcium	C \$		008.0	Q 749	€0. <b>6</b> 75	₽16'D
Chromium	<u> </u>	L	173000	209000	62700	77400
Cobat	ž	J	208		12.0	22.5
Copper	Ž		24.8.25	27 72 9	R 3	0.00
lron	ž		0889		0011	11600
Magnesium	ž		1960	2090	2300	1740
Manganase	ž		370	386	574	526
Motypochum	٧	ļ	1.52 JQ	47.6	DI 96 I	7.7
Polystation	0 ;		214	108		10.4
Siver	¥ ;		¥ ;	614 JH	Hr 0881	1450
Sodium	Ę Z		Or 05.5	\$ . \$ 5 . \$ 5 . \$	<u>4.12</u>	C4.87
Versedium	×z		- ec	7.86	133	
Zinc	ž		121	70.3	79.6 79.6	35.7
ARSENIC, TOTAL BY GFAA/SW 7069 (mg/kg) Arsens			į			
	3.77		1.87	1.07	1.73	2.78
LEAD, TOTAL BY GFAASW 7421 (mg/kg) Lead	2		227	12.6	<b>3</b> 6.6	33.0
THE PARTY OF THE P						
Section of LOIAL BIOIANSW (146ML) HOD (BAKE)	5.0		409 JL	40.347	0.456	0.0940 JL
VOLATILE ORGANIC COMPOUNDS BY GCMIS - SWIR44NONE (MIRTA) Methylene chande	;					
Toluene	8.0 8.0		<0.00375 JQ	<0.00572 0.0178	40,00604 40,00604	0.00628 JQ <0.00643
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCM3 - SWIZTWSW359 (METL)						
Acataphthene	613			<b>€</b> 347	<0.399	417
Benziahuthracene	D2.06		224 70	Ø.347	<0.399	40.417
Benzo(a jpyrene	۲.		3.60	0.0395	66£ D>	0.417
Benzo(b)fluoranthene	<b>C Z</b>		237 JQ	40.347	<b>86</b> 86	9
Benzo(g.h.i)perylene	¥		2.5	40.347	<b>8</b> 8	- F
Berzo(k) dugrandiece	ž		4.51	Q 347 J	86 P	0 417
Buth benzy phthalate	Ą		į		Ş	;
Сиумене	ž		312 10	0000	\$ 60 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70	9 9 52
D-n-butyphthalate	1020		4.51	Ø347	66E D	00266 JQ
~		,				

POSITIVE ANALYTICAL RESULTS Arrespace Museum Site Naval Air Station Fart Worth Joint Reserve Base, Carmell Field Fort Worth, Texas	٠.				
		Sample ID	OT3801SA 22-OCT-05	OT3802SA	OT3803SA
	MSC	Depth	0.0 - 2.0	0.0 - 2.0	00-20
PARAMETER/METHOD (UNITS)		Notes			ı
Dibent(a,h) sentime ene	¥Z		4.51	40.347	\ 8E
Disenzofirm	¥Z			€93	8E Ø
Photonthene	409		7.89 10	0.0565 JO	938
Pluorene	409			40.347	86.
Indeno(1,2,3-cd)pyrene	¥			Q.347 J	38
Nationalistic	607		Or 601	Q.347	936
The new Or were	¥			Or 1550	999
	310		6.54	0.147	996
CON (2-E thy The exyl liph that she	707		451	0.382	66€ ₽
TODE FAHS			16.47	1316.0	2

0.103 JQ 0.103 JQ 0.103 JQ 0.417 0.121 JQ 0.224

OT3804SA 22-OCT-95 0 0 - 2.0

Data Creatification Eleachietes:

MSC = Medium-Specific Concentration

NA = Not available

ND = Not Detected

ND = Not Detected

PAH = Polymeters of Concentration

I = Estimated quantitation possibly biased high or a false positive based upon blank data.

II = Estimated quantitation, possibly biased high based upon QC data

IL = Estimated quantitation, possibly biased ligh based upon QC data

IQ = Estimated quantitation, possibly biased ligh based upon QC data

IQ = Estimated quantitation detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data. do not use

[...] Results in boxes acceed background concentration and MSC value

in in it

POSITIVE ANALYTICAL RESULTS
Aeruspace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

		0,1-1-1					
		Sample 1D	OI 3803SA	0T3806SA	OT3801SA	OT38085A	OT3809SA
	MSC	Depth	0.0 2.0	00.130	22-OCI-95	22-OCT-95	22-OCT-95
		Notes		27 . 23	0.7 - 0.0	0.7 - 0.0	0.0 - 2 U
PARAMETER/METHOD (UNITS)							
SOLL PH - SW964S/NONE (neme) 623-9045 pH units Soil			1.32	7.54	7 50	7.55	7.42
PERCENT SOLID - D2216 NONE (percent) 623-D2216 Moisture			9.6	00'6	15.0	2.	9
METALS, TOTAL, BY ICPSW/41058W3059 (mp/m)							2
Ahrransm	¥Z		7130	3320		11700	6230
Numerous	9.0		702	2 47 10	_	<i>211</i> 2	Dr 691
Beryfium	98	L	63.6	<b>8</b> 27	112	=	187
Cadmium	50	J	NC (9)	477	0 724	0.48	8
Celcrum	¥		114000	195000	(CK.)	48300	0.843
Chromaten	0		11.3	18.7 JO	001	10.4	01 011
Cobat	¥	J	194	209 10	4 89	391 10	7 25 10
Copper	٧X		7.73	15.7 JQ	7.87	9.15	0. 689
L'OI	¥		10500	4870	8710	7400	0899
Megrosium	¥ ;		1880	2040	2200	2160	0661
Mohthemen	<b>Y</b> ;			<b>53</b>		162	351
Nickel	<b>Y</b> :		2.04 JQ	2.0	18.1 X	•	2.22 JQ
Polassium	2 5		6.22	86	10.5	8.97	205
Silver	ζ.		Hr 0251	皇 ?	1570 JH	D1.41	HL 07.61
Sodium	¥ Z		79.7 IB	22.7	222	7	63.83 63.4 15
Versedium	٧			9.42	25.6	2.5	
Zinc	<b>Y</b> Z		26.6	0.03	27.1	23.4	61.2
ARSENIC, TOTAL BY GFAASW 7000 (mg/kg)							
Andric	3.27		1.71	191	1.65	3.00	1 95
LEAD, TOTAL BY GFAASW 7421 (mg/kg)							
Lead	1.5		21.0	26.3	19.4	25.4	1.61
SELENIUM, TOTAL BY GFAASW 7744METHOD (MPM)							
Selenium	5.0		99€.0>	₫413	Ф.355	<0.424 JL	<b>86</b> TV
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWITHWINE (MOTE)							
Methylene chloride	0.5		<0.00561	40.00578	<0.00593	<b>₩8500</b> D>	-0 00579
1 officette	100		0.0129	40.00578	0.00261 JQ	<0 00 584	0.0149
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWRTINGWISSE (MEDIC)							
Acetaphthene	613		196.05	196.0	40 388	78€	£9£ D>
And acome Dental abundances	3070		<b>⊕</b> 361	40,361	-0.388 -0.388	△ 384	<0.367
Donate purious socie	¥ ;		<b>₩</b> 361	₫.361	₩ 🗗	<b>₩</b> 6 D>	70 367 1
Personal programs	۷:		96 961	0 0448 J	388 (C)	79. O	<0.367 1
Benzo(g.h.) benzo(g.h.) benzo(g.h.)	¥;		<b>98</b> €	0.0596	<b>88</b>	<0 384	<0.367
Berzoftschusene	ž;		929	98.9	<b>388</b>	<0.384	CD 367
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW12705W3559 (me/le) centia	ď Ž		<0 361	7 196 P	388	184 0:	- 0 367
Butyl benzyl phthalate	Ž		191	Of 1383 JO	<b>881</b> (-)	781.67	- 54.6
Chrysene	¥z		96.6	0.0365 JQ	<b>₹</b>	781 0	1 (960)
Ch-n-butyphthalete	1020		₫ 361	₩ 361	AB 388	<b>ME</b> 0>	0 021
		•					
		-					-

SU

	Mac	Sample ID : Sample Date : Deoth :	OT3805SA 22-OCT-95 0 0 - 2 0	OT3806SA 22-OCT-95	OT3807SA 22-OCT-95	OT38085A 22-OCT-95	OT3809SA 22-OCT-95
PARAMETER/METHOD (UNITS)		Notes			0.7 - 0.0	0.0 - 2.0	0.0 - 2.0
Dibenz(a,h)mutracene	Y.		₩.361	- 19€   0.36	<b>88</b> €	3	- 1%
Dibentzofurm	٧X		<b>19£</b> ⊕	₩.0	<b>388</b>	<b>38</b> .	0.367
Fluorunthene	604		0.361	O.0481 JQ	QL E110.0	<b>38</b> €	O. 079000
Fluorene	409		Ø.361			<b>1384</b>	
Indeno(1,2,3-cd.pyrene	¥		Ø.361	- <u>19</u> €	₩.0	<b>798.</b> ©	43.367 _
	409		<b>₩</b>	4381	<b>△D.388</b>	₩.0	<0.367
	¥ Z		€361		<b>388</b>	<b>78€</b>	<0.367
	310		<b>19</b> .7€	Of 1090.0	<b>88</b> 6 0	<b>78</b> .0	CD 367
otal L-Expyrexyt prichable	7. OF		₩361		₩.0	A0.384	d 367 J
loss PAHs			Ş	0.292	0.0113	QX	0.031
Data Ovalification Flags/Neder: MSC = Medium-Specific Concentration NA = Not evalable ND = Not Detected							
PAH = Polynuclear Arometic Hydrocarbon J = Estimated quantation based upon OC data							
18 = Estimated quantitation possibly biased high or a fake positive based upon blank data. 14 = Estimated quantitation possibly biased high based upon QC data 15 = Estimated quantitation possibly biased by or a false negative based upon QC data. 16 = Estimated quantitation possibly biased how the Practical Chambisters i init							
R = Datum rejected based upon (Cata do not use							

Tl

TABLE 3-1

POSITIVE ANALYTICAL RESULTS
Acrospace Massum Site
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Pichi
Fort Worth, Texas

Notes	No.   Company   No.   Compan			Sample ID:	OT38105A	OT3811SA	I Fall Fall	OTTRIDGE	A STREET
Notes   Colored   Colore	Notes:   110   1			Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-0KT-95	0138135A
Notes:    110	Notes   Note		MSC	Depth	0.0 - 2.0	0.0 - 2.0	00.20	00.130	56: 10:27
110   110	110			Notes	<b>!</b>		Duplicate of OT3811SA	0.0	07.00
110   110	110	FARAMETER/METHOD (UNITS)							
133   144   149	110   110								
NA	110	523-9045 pH units Soil			7.33	7.45	7.49	7.29	7 23
1.0   1.10   1	110	PERCENT SOLID - D2216 /NONE (Percent)							
NA	NA	523-D2216 Moisture			11.0	11.0	12.0	15.0	140
NA   SP   NA   NA   SP	NA	METAL & TOTAL RV ICPATM/61A43W1848 (manha)							:
Color	Colored Colo	Abunum	2		9		•		
March   Marc	Column	Antimony	< v		0,69	8218	7620	4740	0767
No.   Colored	NA	Sarrium	2 2				7.10	415	<u>-</u>
NA	NA	Servicium	3 2	L	3	î Î	911	55.0	803
No.	No.	3edmium	• •	J	0.63	0.570	8.0	0.344	0 506
1,	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Section	2		<b>4</b> .814	718 P	<0.854	€38.0	Ø.843
NA	NA	Promine	<b>Š</b> :		22300	00186	140000 J	58800	74300
NA 134	NA 1340 464 310 10 10 10 10 10 10 10 10 10 10 10 10 1	Ashah	<u>0</u>		9.12	\$6.93	Dr 0.21	6.87	767
NA N	NA 1789 7700 919 JQ 7101 780 780 JB JQ 7101 JB JQ JQ JB JB JQ JB	Contain	¥ Z		7.49	<b>3</b> 9.	3.07 JQ		3.37 JO
NA 11930 1440 1780 1780 1780 1780 1780 1780 1780 178	NA 10300 7440 7780 7780 7780 7780 7780 7780 77	noddo:	¥ Z		7.98	7.00	Or 68'6		
NA	NA 5140 2190 2310 1380 1530 141 1530 14	101 	<b>∢</b> Z		10300	7440	7590	7030	7980
NA 179 NA	NA		¥ Z		2)40	2190	2310	1280	1620
NA   179 JQ   4407   4127   163 JQ   133 JA   143 JA	NA	A ELIPETROSE	<b>Y</b>			457	419	303	724
10   10   1700   111   111   110	10   1790   H   1370   H   1360	A COLOR DE LA COLO	ž			<4.07	C4.27		
NA	NA	NGKG Administra	0		9.78	8.79	129 1		
NA	NA	CARBOLIUM Street	<b>∀</b>		Ht 0611	HI 0681	1540 JH		1210 JH
NA	NA	Date of the control o	51.1				Cd.27	<4.30	<4.72
1, 1, 2	174   195   1975   1917   1918   19		ž ;			61.3 JB	Bt 6.89		HI 8 69
1.5	1.5		<b>Y</b> :		971		17.5	13.2	17.4
3.27     2.64     2.05     2.47     1.94       1.5     19.0     17.0     19.8     32.9       5.0	3.27     2.04     2.05     2.47     1.94       1.5     19.0     17.0     19.8     32.9       5.0     Q. 407     Q. 416     Q. 414     Q. 419, 11.     Q. 419, 11.       5.0     Q. 400603     Q. 416     Q. 414     Q. 4049, 11.     Q. 40051       6.13     Q. 400603     Q. 40115     Q. 40144     Q. 4019, 11.     Q. 4019       6.13     Q. 400603     Q. 40115     Q. 40116     Q. 4019     Q. 4019       100     Q. 40113     Q. 40116     Q. 40116     Q. 4019     Q. 4019       NA     Q. 40060     Q. 40111     Q. 40116     Q. 4019     Q. 4019       NA     Q. 40060     Q. 40111     Q. 40116     Q. 40116     Q. 40116       NA     Q. 40060     Q. 40111     Q. 40116     Q. 40116     Q. 40116       NA     Q. 40069     Q. 40111     Q. 40116     Q. 40116     Q. 40116       NA     Q. 40069     Q. 40111     Q. 40116     Q. 40116     Q. 40116       NA     Q. 40069     Q. 40111     Q. 40116     Q. 40116       NA     Q. 40069     Q. 40111     Q. 40116     Q. 40116       NA     Q. 40069     Q. 40111     Q. 40116     Q. 40116       NA     Q. 40069     Q. 40116		ď.		31.2			19.2	219
1.5       1.94       2.05       2.47       1.94         1.5       19.0       17.0       19.8       32.9         5.0       40.005       40.005       40.005       40.005       40.005         5.0       40.005       40.005       40.005       40.005       40.005       40.005         6.13       40.005	1.5 19.0 17.0 19.8 12.9 12.9 13.9 13.9 15.0 13.9 15.0 13.9 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	REENIC, TOTAL BY GFAASW 7949 (mp/kg)							
1.5 19.0 17.0 19.8 32.9  5.0	1.5 19.0 17.0 19.8 32.9  5.0	Denic	3.77		2.04	2.05	2.47	1.94	<del>2</del> 8
1.5       190       17.0       1948       32.9         5.0       Q407       Q416       Q414       Q439 JL       Q         0.5       Q4006       Q406	1.5 19.0 17.0 19.8 32.9  5.0	EAD, TOTAL BY GFAASSW 7421 (methe)							
5.0	5.0	ead	<b>3</b>		19.0	17.0	# O.	9.5	
5.0         CD 407         CD 416         CD 414         CD 4159 JL.	5.0					:	P. C.	670	<b>6</b> 17
0.5   0.00574   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.005554   0.00	613	ELECTIONS, LOIAL BY GLAASW (Year,METHOD (Weble))	Ş		į	1			
0.5   0.00557   0.00557   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005555   0.005554   0.005555   0.005554   0.005555   0.005554   0.005555   0	0.5   0.00551   0.00551   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.0		9.0		<b>6</b>	9719	<b>7</b>	<0.439 JL	<0.418
0.5   0.005571   0.005571   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.005554   0.005554   0.005554   0.005554   0.005555	0.5   0.00551   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.00554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005554   0.005555   0.	OLATILE ORGANIC COMPOUNDS BY GCMS - SWELLING (MUTA)							
100	100	lethylene chloride	0.5		<0.00605	<0.00571	△0.00574	<0.00554	<0.00586
613 .	613	oliverse	100			0.0115	0.00931	Of 981000 0	<b>20 00586</b>
613	613	EMI-VOLATILE ORGANIC COMPOUNDS BY CCMS - SWITTNEW3556 (MEN.)							
3070         40.369         40.371         40.375         40.350           NA         0.0440 JQ         40.371         40.376         40.376         40.386           NA         0.09669 JQ         40.371         40.376         40.386           NA         40.369         40.371         40.386         40.386           NA         40.369         40.371         40.316         40.386           NA         40.369         40.371         40.316         40.386           NA         40.369         40.371         40.376         40.386           NA         40.369         40.371         40.376         40.386	3070	cenaphthene			369	₩ 37.1	321 B	<b>38</b>	5
NA 0 0 0440 JQ	NA 0 0 0 4 (0 ) Q	ndracene			€36	120	Ø 376	<b>3</b>	5 5
NA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	end a janthracene	ž			4371	92E (\$\overline{\pi}\$	38. O	5 5
NA 0,00669 RQ	NA 0,00669 KQ Q 371 Q 1376 Q 1366 NA Q 1369 Q Q 371 Q 1376 Q 1386 NA Q 1369 Q Q 371 Q 1376 Q 1386 NA Q 1369 Q Q 371 Q 1376 Q 1386 NA Q 1369 Q 1371 Q 1376 Q 1386 1020 Q 1369 Q 1371 Q 1376	enzo(a)pyrene	۲			△371	<b>A</b> 376 <b>A</b>	986	- 66 V
NA	NA 40.369 40.371 40.376 70.386 NA 40.369 40.371 40.376 70.386 NA 40.369 40.371 40.376 40.386 NA 60.458 1Q 40.371 4Q 40.378 1020 40.371 4Q 70.3786		ž			40.37!	<0.376	-0.386	. [6] ∨
NA <a href="https://doi.org/10.000/10.000/10.000/"> NA <a href="https://doi.org/10.000/10.000/10.000/"> NA <a href="https://doi.org/10.000/10.000/"></a></a></a>	NA	STANE ALL I PORT Y STANE	< Z		40.369	<b>₫371</b>	<0.376	~0 386	1 661.
NA	NA	CMI-VOLATILL ORGANIC COMPOSINDS BY COME . CWD 200001888 (	< Z		96 D	<b>₽</b>	<0.376	-0 386	.191
hthbiance (0.33)	phthalme	utyl benzyl phthalate	* 2		91.6	;	72. 67	1	;
1020 Φ Φ 111 Φ 11186	1020 Φ Φ 1100 Φ	hrysene	ž		0.00	7 6	0.010	986	56
Pari C.	Date of the second seco	i-n-butyiphthalate	1020		200 P	£ 6	54 1519.0 20 376	2000	
								Date of	5

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POSITIVE ANALYTICAL RESULTS Acrespace Museum Site Naval Air Stution Fort Worth Joint Reserve Base, Currwell Field Fort Worth, Texas						
	MSC	Sample 1D Sample Date: Depth:	OT3810SA 22-OCT-95 0 0 - 2.0	OT3811SA 22-OCT-95 0.0 - 2.0	FDUP-01 22-OCT-95 00 - 2.0	OT3812SA 22-OCT-95 00 - 2.0
PARAMETER/METHOD (UNITS)				Dut	Modele of OT3811SA	
Dhenzia, hjenthrucene	۷ ۲		99€ (₽	40.371	A 176	31. 6
Liberizoniani Electrical	¥z		69€'⊕	<b>€</b> 1371	976	200
	409		Or 2010	Or 5610.0	0.0212 JO	Or 15100
	<b>\$</b>		€9€	₩.371	<0.376	386
Monthshalms	¥		<b>99.769</b>	170	40.376	0.386
Description	<b>&amp;</b>		366 ©	40.371	40.376	0.386
Demonstration	¥		0.0935 JQ	176,00	<0.376	40.386
Type control of the c	310			0.371	0.0251 JQ	0.0207 JO
TAME OF LICENSIS	2.04		<b>69€</b> .⊕	176,0>	<0.376	
LOWER FALIS			0.4064	\$6700	0.0504	7763 6

TABLE 3.1

073813SA 22-0CT-95 0 0 · 2 0

Data Qualification Flage/Nater:
MSC = Medium-Specific Concentration
NA = Not available
ND = Not Detected
PAH = Polymucless Aromatic Hydrocarbon
J = Estimated quantitation: possibly biased hig

18 = Estimated quantitation possibly biased high or a fishe positive based upon blank data.

1H = Estimated quantitation possibly biased high based upon QC data.

1L = Satimated quantitation possibly biased how or a fishe negative based upon QC data.

Q = Estimated quantitation detected below the Practical Quantitation Limit.

R = Datum rejected based upon QC data is do not use.

| Results in boxes exceed background concentration and MSC value.

3-7

POSITIVE ANALYTICAL RESULTS
Astropace Museum Site
Navai Air Station Fart Worth Joint Reserve Base, Carawell Field
Fort Worth, Texas

10   11   12   12   13   14   14   15   15   15   15   15   15			Sample ID : Sample Date :	OT3814SA 22-OCT-95	OT3815SA 22-OCT-95	OT3816SA	OT3817SA	OT3818SA
		MSC	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	PARAMETER/METHOD (UNITS)		Notes					
10   10   10   10   10   10   10   10	SOIL BH - SWY04S/NONE (neme) 623-9045 pH units Soil			7.46	38.1	7.35	80	7.65
100   100	PERCENT SOLID - D2316 MONE. (percent) 623-D7216 Monture	,		9	0	<u>.</u>		
1	METALS, TOTAL BY ICP/SW6010/5W3056 (mg/kg)					ì	B)	9
1	Ahminum	<b>Y</b> 2		0069	6770	0017	0101	Ş
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Antimony	9.0			21.4 JL	20 S	191>	801
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Burium	200	ļ		60	\$8.1	986	511
No.   Color	Beryfaum Cadminer	0.4		0.487	4.51	0 242	27.29	4.37
1		5.0		<b>18</b> ⊕	D.858 1L	908.0	₽.76	161.D>
No.   173	Chromism	۷ s	Ĺ	82100	184000	85800	285000	118000
No.   177   17   17   17   17   17   17	Cobat	2 7		14.6	1 61			
N.	Copper	<b>₹</b> 2		2 5 5	7 7 7		Of 6660	3.85
NA   150	Lo.	. Z		10200		0.13 Know		Or 8639
NA   179	Magnesium	¥z		1800	3000	ולנו	7000	0940
NA   178   179   170	Manganese	¥		252	631	. B67	33.	478
10   8.14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   15   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   14   1300   130	Molybdenum	Y <sub>N</sub>			CL.29	8	<b>28.</b> 50	8
NA   130   H   130   H   100   H   250   H	ZICKO	01		8.76	525	288	200	58.6
NA   0.564 Ng   4.19   4.19   4.18   4.19   4.19   4.18   4.19   4.19   4.18   4.19   4.19   4.19   4.19   4.19   4.19   4.10   4.19   4.19   4.19   4.10	roussnum Sin	¥2			Hr 0071		38	1300
NA   25.5   79	Softier	51.1			\$2.7 7		<b>43.82</b>	86.0
NA   25   75   75   25   25   25   25   25	Veradium	<b>₹</b> 2			EL 2.73			7.00
L.TOTAL BY GFAASW 7144 MERIND.  L.TOTAL BY GFAASW 7144 MERIND.  LATLE BY GFAASW 714 MERIND.  LATLE BY GFAASW 7144 MERIND.  LAT	Zinc	S X		25.55 25.55	. 55 2. 55 2. 55	25.3		9.71 4.tr
1.5   1.58   1.54   1.55   1.56   1.56   1.56   1.57   0.644     1.5	ABSENIC, TOTAL BY GRAAMW 7848 (medic)						!	
13   42.8   15.4   32.2   3.95   3.	Avanic	3.27		2.16	<b>3</b>	1.57	778.0	2 T
1.5   C.	TANK TANK TO THE PARTY OF THE P					<u>}</u>		9,7
Marcelean   Marc	LAND, TOTAL BY STANSW 1421 (Mg/g)	2.		42.8	15.4	43.3	90.	
Composition	TO THE PARTY OF THE PERSON OF			•	į		200	5
### CONTROLLE COMPOUNDS BY CCMS - SWELMONE (mg/kg)  100  100  1.ATILE ORGANIC COMPOUNDS BY CCMS - SWELMONE (mg/kg)  100  1.ATILE ORGANIC COMPOUNDS BY CCMS - SWELMONE (mg/kg)  1.ATILE ORGANIC COMPOUNDS BY CCMS - SWELMONE (mg/kg)  1.ATILE ORGANIC COMPOUNDS BY CCMS - SWELMONE (mg/kg) cent d  1.ATILE ORGANIC COMPOUNDS COMP	Selevium Selevium	5.0		Ø.400	420 JL	427 JL	Q 371 JL	<0.420 11.
100   0.0128   0.00563   0.00564   0.00586   0.00512   0.00128   0.00565   0.00512   0.00512   0.00565   0.00512   0.00512   0.00565   0.00512   0.00565   0.00512   0.00565   0.00512   0.00512   0.00512   0.00555   0.00512	VOLATILE ORGANIC COMPOUNDS BY GCMS - SWIZHMYONE (MENE)							
UN   O   O   D   D   O   D   D   O   D   D	Metrylene chloride Tohura	9,5		<0.00554	<b>40.00563</b>	<0.00586	<0.00512	<0.00568
State   Stat		8		0 0128	0.00750	<0.00586	O 000203 1Q	CD 00568
613 00401 JQ	SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWEITLINGWISSE (MEDIC)							
100	Anthrope	613			<b>₩</b>	Ф.377	<0.342	<0.372
NA   0.407   0.374   0.937   0.932	Auture-cene Ren #ahmhracene	3070		40.368	A374	<0.377	<0.342	<0.372
NA   0.554   0.514   0.514   0.514	Вепго(в)ругене	<b>₹</b> ₹		0.407	9 37	E 6	40 342	40.372
Dec	Benzo(b)fluoranthene	¥ Z		0.658	71.6		20.56	750
LATILE ORGANIC COMPOUNDS BY GCMS - SW27AsW356 (mg/kg) central.  NA	Benzo(g, h.i)perylene	¥			A71.⊕	± 0377	9 342	2010
Additional Control of Control o	Berzo(k)/Normitiene	٧		O 359 1Q	40.374	<0.377	<0.342	271.0
43.56	PENTLY CLASSIC ONGARIO, COMPOUNDS BY GOMS - SWILTWSWASSE (BELLE) control. Buth bench obtainste	3		,	į	1	:	
1970 <-0.374 <-0.377 <-0.342	Chrysene	€ <b>4</b> Z. 2		388	₹ <del>?</del>	# FEE	c0 342	-0.372
750	Di-ri-butyphthaiste	1020		0 368 0 368	¥.69	} <del>[</del> [	342	2720,
						ì	•	•

POSITIVE ANALYTICAL RESULTS	Aerespace Museum Site	Naval Air Station Fort Worth Joint Reserve Base, Carmel
POSITIVE	Aerespace	Naval Air Sta

	hrrnell Fleid	
	Reserve Base, C	
	Fort Worth John	
Barter and a	aval Air Station	P 47 100 7 10
:	Z.	ě

	MSC	Sample 1D : Sample Date : Depth :	OT3814SA 22-OCT-95 0.0 - 2.0	0T38158A 22-0CT-95 0.0 - 2.0	OT3816SA 22-OCT-95 0.0 - 2.0	OT3817SA 22-OCT-95 0.0 - 2.0	OT3818SA 22-OCT-95 00 · 2 0
PARAMETER/METHOD (UNITS)		Notes					
Diberiz(s,h)enthracene	7		1				
Dibenzohran	5		Or count	7£ 8	£110 €	<0.342	27110
Division	<b>∀</b> Z		0.0328 1/2	₩.374	AL377	Gr. E	46.6
	607		1.26	Ø.374	Ci vocu v	4.6	7/50
	507		3 19100	7000	7	7457	0.0200
Indeno(1,2,3-ed)pyrene			2 1910.0	* 67	40.377	0.342	◆ 372
Nashthalene	YZ :		0.256 10	40.374	<b>₽</b> 377	<0.342	27. (D)
Physical	409		0.0270	<b>4</b> 0.374	Ø.377	ZPL (D)	5
Parent	¥z		- 13	₩374	<b>₹0.377</b>	40.342	2.5
his 7. Ethodhand Inhihalata	310		1.25	40.374	0.0319 JO	Ø362	£ 5
Total DAH	202		<0.368	40374	<0.377	Ø 342	771.00
			6.95	CZ	EIXOU	· ·	115.00

POSITIVE ANALYTICAL RESULTS
Acropace Museum Ste
Naval Air Station Fort Worth Joint Reserve Base, Carwell Field
Fort Worth, I stas

		Sample ID	OT3819SA	5 9	OT38205A	
	MSC	Sample Date	56-130-77	77	22-OCT-95	
	2	Notes			07-00	
PARAMETER/METHOD (UNITS)						
SOIL BH - SW994SNONE (Repre)						
623-9045 pH urds Soil	,		7.54		72.7	
PERCENT SOLID - DIZIG NONE (percent)						
623-U2216 Mosture	•		18.0		<u>•</u>	
METALS, TOTAL BY ICPSW60105W3050 (mg/kg)						
Алития	٧		0177		14200	
Antimony	9.0			S S	1.95 JL	
	00 j	Ĺ	Ξ	į	119	
	<b>7</b> 0	J	0.606		0 799	
	? <b>₹</b>		\$ 5 86.5 86.5 86.5		_0.888 JL	
Chromium	<u>د</u> ج		9190		72600	
Cobali	2 <b>2</b>			] _	2 2 2	
Copper	ž		8	?	) (6.8)	
Iron	<b>Y</b>		8360		11900	
Мадлеяіип	¥		1460		2240	
Manganese	¥ Z		374		329	
Molybdenum	ž			δį	1.60 JL	
Determine	; ۵		9E.30		9.15	
School	ž;		1250		2030	
Sodium	7 2		Z 3		<del>-</del> -	
Veradium	2 2		99.5		y .	
Zinc	ž		16.6		27.8	
The state of the s						
AND CHANGE LOUND BY GRANDW (MENTE)	;		,			
	1.27		1.42		2.21 /L	
LEAD, TOTAL BY GFAASW 7421 (mg/kg)						
Lead	<u>1.5</u>		13.0		1 12	
SELENIUM, TOTAL, BY GRAASW, 7744/METHOD (mene)						
Seletiúm	5.0		0.108 JL	۲.	<0,430 /L	
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWEARNONE (META)						
Methylene chloride	0.5		<0.00628	V	99,000	
Toluene	90		Dr 51100:0		Of 000000 0	
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWR278/SW1559 (metle)						
Acenaphthene	613		₩ 1 <b>4</b> 0		181 B	
Anthracene	3070		<b>Q</b>		<b>1</b> €	
Benz(a)untracene	۲×		₩ 401		<0.383	
Benzo(a)pyrene	۲ ۲		<0.401		1 638 0	
Beruzo(b) Buoranthene	¥		₩ 101		<b>686</b> ♥	
Benzo(g.h.) perylene	¥ Z		Ð. €		<b>€983</b>	
Berizo(K) Thorambere  FEMI VOI ATTER OBC AND CONSEQUENCE BY CORRES MANAGEMENTS AND CONSEQUENCES.	٧		<b>⊕ 401</b>		<b>€ 383</b>	
Buth bent otherwise Charles Confederate Company of the Company of the Confederate Confeder	;		1		1	
Cirvene Cirvene	ζ;		<b>₽</b> 9		9	
Di-Dutylahdralate	۷ <u>د</u>					
and delinease	0201		₽ ₽		<b>19</b>	

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POSITIVE ANALYTICAL RESULTS
ARTOSpace Museum Site
Naval Air Station Fort Worth Johnt Roserve Buse, Carrwell Floid
Fort Worth, Texas

		Cl stones	OTSTOCA	4 3000	
			VEC INC. IO	Venzec 10	
		Sumple Date	22-OCT-95	22-OCT-95	
	MSC	Depth:	0.0-20	0.0 - 2.0	
		Notes			
TAKAMETER METHOD (UNITS)					
Dilbert of a bloodhancers	;				•
	¥		Q Q	£.6	
L MOSELIZOLIZIEN	¥z		<b>19</b> €	<b>1</b> 3€	
i n.c. anthrene	<b>6</b>		10¥.07	Ø.383	
Fluorene	60\$		<b>Ø</b> .40	40.383	
Indeno(1,2,3-cd)pyrene	¥X		Q+'0	28.00	
Naphthalene	\$		<b>10</b> +07	<0.383	
Phetianthrene	¥z		<b>104.</b> €	<b>6.3</b> €	
Pyrene	310		10 <del>4</del> 0	0360	
bis(2-Ethythexyd)phthulate	2.04		10 C	Ø. 0	
Total PAHs			MD	QN	
Data Ouslification Flags/Notes:					
MSC * Medium-Specific Concentration					
NA - Not gradable					
ND = Not Detected					
PAH * Polynuclear Aromatic Hydrocarbon					
3 = Estimated quantation based upon OC data					
IB * Estimated quantitation possibly biased high or a false positive based upon blank date					
JH * Estimated ournitation: pressibly based high based area of data					
II Tellimeted ministration secondary framework in the secondary of the secondary of the secondary secondar					
P. Erdenstein mentioning description and the control of the contro					
R = Define resorted hand man Of date do not use					
The state of the s					
Neature of boxes exceed decking outside concentration and MSC value					

and the district

TABLE 3-1

POSITIVE ANALYTICAL RESULTS

Acrospace Museum She Naval Air Station Fort Worth John Reserve Base, Corowell Field Fort Worth, Texas

3-12

PAH = Polymuclear Aromatic Hydrocarbon

<sup>18 =</sup> Estimated quantitation, possibly biased high or a filtse positive based upon blank data

<sup>1</sup>Q = Estimated quantitation: detected before the Practical Quantitation Lamit
R = Dahun rejected based upon QC data; do not use.

POSITIVE ANALYTICAL RESULTS
Act sepace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carrovell Field
Fort Worth, Texas

		Comment ID	o disease					
		Sample Date	77.07.198	UI3877SA	OT3828SA	OT3829SA	OTHEROSA	OTJESISA
	MSC	Cepth	00.20	00.20	0.0*- 2.0*	22-OCT-95 00 - 20	22-OCT-95 00' - 20'	22-OCT-95
PARAMETERMETHOD (UNITS)		Notes				ı		•
SOIL PH - SWY94SNIONE (negg) 623-9045 pH unts Soil			5					
PERCENT SOLID - Dilli MONE (percent)				2	<b>G</b>	£.	7.67	73.7
623-D2216 Moisture	•		13.0	6.00	16:0	17.0	14.0	17.0
METALS, TOTAL BY ICPSW60105W369 (mgla)	:							
Authory	¥ ¥		96.	2460	6050	0921	12200	0588
Benum	2		7 F.68	07 787	619.6	<u> </u>	<22.0 JL	<22.3
Berythium Coloinum	<b>7</b>		\$ C	1.62 JQ	, S.	\$ 35 \$	107.0	96.
Chronium	ž		000651	284000	000881	222000	00099	000711
Cobalt	2 2		7 C	40.4 2.1	\$'66>	] Or 011	13.0	A7.80
Соррег	ž		2 2	Si S	7,7 JQ		3.52 10	3.50 JQ
lbon :	¥		2. 2.1.	2 900 I	7 E8	ζ <sub>8</sub>	91.6	633
Magnesium	¥		0181	2340	3340	3680	16.50	5860 6761
Molyholeman	Ž:		4	538	<b>3</b> 8	198	£ 25	2 3
Nickel	<u></u>	L	20, 20,	2.99 JQ	2.03 JO	2.54 JQ	1.32 AL	\$ <del>*</del>
Potassium	ž	J		718	90	224	766	6.42
Silver	=		FF 7>	7907	2 T	020	91/	1060
Sodium	ž		79.2	182	; =	7 5	8 9	9 3
Vertachtum	ž		19.7	20.4	151	28.5	121	0 80 E
	ž,		6.17	17.3	70.9	75.0	24.0	20.8
ARSENIC, TOTAL BY GFAASW 7869 (mp/kg)								
Arstrac	377		116 AL	414	3.21	3.47	J. 8.1	1.11
LEAD_TOTAL BY GFAA/3W/1421 (mg/kg) Lead	<u></u>		163	9	5	<u>.</u>	- 4 3	;
MERCURY, IOTAL BY CYAAASW 7471 (mark) SELENIUM, TOTAL BY CRAAKW 774ANETHAN (mark)				!	!	2	2	017
Secrium	30		Q.11 J.	<0.413	<1.89 JL	433 11	0143 Jf.	11 1000 0
VOLATILE ORGANIC COMPOUNDS BY GEMS - SWITHRYONE (META)						!	<b>!</b>	
Tohiche	96		<0.00566	QL 2/E00030	OY 9900000	0.00184 3Q	Or 69100.0	QL 802000
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWITHSWASSE (MACAL)								
Districtions	020 1		CO.377	<b>99€ 0&gt;</b>	<0.365	<0.400	<b>69 384</b>	0.0237 JO
Pyrae	<b>3</b> 5		E C	996	<0.365	0 0427 JQ	<b>78</b> €	<0.397
Total PAHs	•			\$ <u>\$</u>	\$ £	0.0479 JQ	<b>78</b> 0	76€ 0>
						U.V.V.O	UN.	ON.

Data Gueilfication Flegarioters:

MSC = Medium-Specific Concentration

NA = Not available

ND = Not Detected

NA = Polymucker Aromatic Hydrocarbon

J = Estimated quantitation beset upon QC data

NB = Estimated quantitation possibly biased its

3517-3209 31 (3-16)

TABLE 3-1

POSITIVE ANALYTICAL RESULTS
Acrospace Museum She
Naval Als Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

		Semple ID		ASTRUCTO			
		Sample Date:	22-0CT-95	22.0CT.05	O Sesson	OF MASA	ASSERTO
	MSC	Depth	0.0 - 2.0	00-20	00-20	04.74	22-001-95
PARAMETERMETHOD (UNITS)		Notes: Dup	Notes: Duplicate of OT3831SA		<b>:</b>		
SOIL, PH. SW994SNONE (seme)							
623-9045 pH units Soil			7.41	7.54	7.41	7,47	7.50
PERCENT SOLID - D2216 MONE (percent)							
623-D2216 Moisture	,		190	15.0	11.0	15.0	000
METALS, TOTAL BY HC7/SW4010/5W306(metal)							
Abenim	¥		8380	12200	6320	10600	6460
Antarony	9 ;		41.9	413	<20.7	41.0	1.32 JQ
Beryfirm	8 7	L	911	121	₹; ₹;	201	
Calcium	Ž	J	Cino	01300	77.7	8 3	N. I.
Chromism	2		717	27.6	- P00001	Maria Vila	142000
Cobat	¥		2.77 30	2.90 JQ	2.18.10	311.30	226.30
Long Company	<b>Y</b>		717	6.14	5.66 JQ	. 98 	6.73 JO
Menegium	<b>Y</b> ;		56.5	8130	2860	9300	2400
Management	¥ ;		<b>9</b> (9)	96 1	1930	2320	1800
Molybdenum	2		<b>9</b>	317	: :: :::	J 561	303
Nickel	2		2 % 2 %		J. 87.9	O 88.2	۵۲ ا
Potassium	ž		<b>31</b> 0	1386	1020		0K1
Silver	<b></b>		RC 7>	\$7.75 \$7.75	70.7>	<4.20	5. C>
Vanadien	< Z		9.96	2 <b>4</b>	988	Ę	5
	< 2		961	7.17	12.4	21.1	177
	¥ 2		20.0	22.0	33.7	20.0	65.7
ARSENIC TOTAL BY GFAASW 7964 (MEN.)							
Abetic	317		0.714	1.58	0.663	1.27	0.685
LEAD, TOTAL BY GFAA/SW 7421 (mp/kg) Lod	2.1		22.4	36.0	7	<del>6</del>	147
MERCURY, TOTAL BY CVAASW 741 (mp/m) SELEVIUM, TOTAL, BY CRAAKW 7440/MFTHON (m-4-a)						<b>;</b>	•
Secrium	5.0		<2.19 1	<0.40	2.05 JL	237 D	¥ ∀
VOLATILE ORGANIC COMPOUNDS BY CCMS - SWEMBINGNE (BEETLE)							
Tolvene	8		0.00699	0.000635 JQ	0.000569 JQ	0.000465 JQ	0 0 1 0 4
SEMLYOLATILE ORGANIC COMPOUNDS BY GCMS - SWITHWAYS (metal) Darbayphthale	lm 1		ę	į	ļ	į	
Fluoranthene	9		11500	980	N. C. D.	06£ 0>	<b>₹0.366</b>
Pyrene	<b>1</b>		D 0440.0		££0>	06 O>	<0.366
Total PAHs	ΔIC		Or 2000	98.0	50.00 51.00	<b>D6( 0</b> )	·0 366
			0.0/62	O.	2	S	ב

Data Qualification Flags/Noting:

MXC = Medium-Specific Concentration

NA = Not would be

ND = Not would be

ND = Not Detected

PAH = Polymetear Aromatic Hydrocarbon

I = Estimated quantitation based upon QC data

IB = Estimated quantitation possibly biased high or a false positive based upon blank data

IH = Estimated quantitation, possibly biased high based upon QC data

IL = Estimated quantitation, casaibly biased low or a false negative based upon QC data

IQ = Estimated quantitation; detected below the Practical Quantitation Limit

R = Datam rejected based upon QC data do not use

| R = Datam rejected based upon QC data do not use

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		Sample ID	OTTOTAL	10100100			
		Serrole Date	22-OCT-95	23-01-363/SA	OT3838SA	OT38393A	OT3840SA
	MSC	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	22-OCT-95
PARAMETER/METHOD (UNITS)		Notes				•	) 
SOIL PH . SW904SNONE (NOME)							
	,		1.67	17.1	7.18	7.58	7.26
PERCENT SOLID - D2116 MONE (Detrent) 623-D2216 Moisture			10 0	13.0	011	=	9
METALS, TOTAL BY ICP/SW6019/5W3050 (me/le)							2
Abstractor	<b>4</b>		7090	U2.20	3.490	orioi	;
Antimony	90		Of 61.5	21.6	3 5	B 6	2 .
	200	•	77.0	1.62	S 25	3 6	7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Destyblen Color	0.4		4.43	0.605	8	285,0	
	Y Z		149000	104000	182000	1700	16891
Circontum	2		9'0#>	8.47	2	00.8	CI #7
Cobalt	¥		2.68 JO	2.76 JO		111	
Copper	<b>₹</b>			71.7	5 EL 4		871
	¥ Z		7980	10200	10400	DOOR .	0000
	<b>∢</b> 2		2150	2380	2270	2110	1881
Make Advisor	¥		<b>\$</b>	282	368	23	476
Mich.	¥ Z		3.00 JQ	<4.32	<4.13	2	4.03 Л
Potestin	۽ ۽	_	214	8.73	220	7.38	_
Silver	Š.		<b>S</b>	0641	9061	1090	0701
Sodium	×		B 5	7 :	2 2 3	<b>4.2</b>	<4.12
Vertechium	ž		20.4	8 <u>9</u>	67 E	2 S S S S S S S S S S S S S S S S S S S	426
Zanc	¥ Z		73.8	19.3	7.97	14.3	106
ARSENIC, TOTAL BY GFAASW 766 (mete)							
Arvenic	3 27		137	2.05	7	-	
LEAD TOTAL BY GEALERY JAN (Annaha)				1	<u>.</u>		<b>18</b> 7
Lead	2.1		2	11.0	97	:	
THE PARTY OF A COLUMN TANABLE OF SALES			į	•	Ì	7 =	0.00
Selection	5.0		8	0.0864	= 84 E	11 90800	
VOLATILE ORGANIC COMPOUNDS BY COME - SEMPLANDER AL-A					<b>:</b>	7. (***)	******
Tolvene	100		0.00703	Of 1690000	0.000812 AO	0.00000	0.000
SEMI-VOLATILE ORGANIC COMPONINTS BY COMM. 1 1977-74-74-74-74-74-74				•			
Aconsphiliene	119		9.6	•	į		
Anthrocene	3070		97.6		1/5	Z (D)	<b>7</b>
Beng(a)untracene	×Z		95		1/5/05	11.00	366
Benzo(a)pyrene	ž		95	F F		76.00	7 (P
so(b)fluoranthene	¥		98.		16.6	7150	<b>10</b> (0)
Bentzo(g.h.) perylene	٧		€9£ D>	378	4371	200	79E G
	¥		96.0	40,378	11.00	<b>⊕</b> 372	792.0
Chin best best best and the china best and the chin	¥		69€0>	40.378	<b>⊕</b> 371	₫372	.0364
District the transfer of the t	1020		96.0	10 J.	<0.371	40.372	· 0 364
Physical design	¥ :		₩ 98	20.378 □	11100	ZT. (D)	10 364
	\$ :		<b>9</b>	A.378	40.371	<b>₩</b> 372	P96 0.
Indenot 1.23-editorrene	<b>S</b>		996.0	CD 378	<u>6</u> .371	22,5	Pyt U
						1.4.7	157 2

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TABLE 3-1

POSITIVE ANALYTICAL RESULTS
Actospace Messum Sic
Naval Air Station Fort Worth Joint Reserve Base, Curroell Field
Fort Worth, Texas

		Sample ID	OT3836SA	OT38378A	OTHERSA	OTTRICA	OT384054
		Semple Date	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	77-04T-04
	MSC	Depth	0.0 - 20	0.0 - 2.0	0.0 - 2.0	00.20	00.20
		Notes					
PARAMETER/METHOD (UNITS)							
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWITTNSW1550 (META) cont	Ag) cont'd.						
Рутепе	310		986	871 D	121.6	2.5	U1 CE400
This Strange of the Control of the C						100	
atematical framework from the control of the contro	2.04		69€.0>	△0.378	A.371	₫.372	<b>36.</b> €
Total PAHs			QX	2	Ş	Ş	21.00

Data Onsithication Physical Concentration

MSC = Modium-Specific Concentration

MA = Two available

ND = Not Debeted

PAH = Polymucian Aromatic Hydrocarbon

I = Estimated quantiation based upon QC data

IB = Estimated quantiation possibly biased high or a false positive based upon QC data

IL = Estimated quantiation possibly biased high based upon QC data

IL = Estimated quantitation detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data do not use

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TABLE 3-1							-
POSITIVE ANALYTICAL RESULTS Aerospace Museum Site Naval Air Station Fort Worth Joint Reserve Base, Corrwell Field Fort Worth, Texas							
	MSC	Sample ID Sample Date Depth Notes	OT3841SA 22-OCT-95 0.0-2.0	OT3842SA 22-OCT-95 0.0' - 2.0' Du	FDUP-04 22-OCT-95 0 0' - 2 0 Dunicade of OTT-844-9.4	0T3843SA 22-0CT-95 0.0 - 2.0	OT3844SA 22-OCT-95 0 0 - 2 0'
PARAMETER/METHOD (UNITS)					100100 to 1001000		
SOIL PH . SW9645NONE (were) 623-9045 pH urits Soil			7.76	25.7	18	21	,
PERCENT SOLID - D2216 MONE (Dercent) 623-D2216 Mosture	•		<b>9</b> 0	: <u>c</u>			867
METALS, TOTAL BY ICPSWelleswisse (mena)				) i		2	0.01
Antenum	¥ Y		9050	1 1600 1	1 0061	9860	8120
Burium	200		1817	_ 04.79.1	2.44 JQ	6.61>	7.00
Beryfium Calcium	70		432	Dr 88.1	0.610	2.39	81.2 166.30
Chronium	<b>*</b> =		157000	116000	92400	113000	
Cobalt	Ž			3.94	2.73	79.8 2.95 ID	Ø 50 Ø 50 Ø 50
rion Tron	¥ :		6.19 JQ		. T.		3 5 E
Magnesium	₹ Z		6530 2100	11800 J	1260 J	9180	11200
Manganese	¥		323	527	318	403	2510
Nickel	¥ ¤	L	) Of 861	Of 76.1	Q 16.1	Or 161	2.40 JQ
Potassium sites	¥	_	168	2190	1420 1	39.1	224
Sodium	51.1 Alk		<b>79</b> (7	3.0	<b>8</b> .3	86.▽	4.14
Venedium	ζ <del>ζ</del>		<b>5</b> 01 <b>1</b>	138 1	1 677	5 5	288
Zinc	¥		67.5	37.6 J	183	31.6	17.1 87.0
ARBENIC, TOTAL, BY GPAASW 7866 (mg/kg) Aneric	177				;		
	,		5	7.42		7.60	2 36
LEAD. 191AL BY GFAASW 141 (mg/kg) Lead	21		11.6	50.0	25	, t	ç
SELENIUM, TOTAL, BY GFAASTW 7744METHOD (1990/kg)						3	2
Sckerjum	9.0		7.02 JL	427	42.1	8	<b>1421</b>
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWRAMMONE (MEDIC)					-		
Totuene	9		0,0194	0.00832	O.00304 JQ	SC00.D>	0 00873
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWELTESW1559 (MOTE)							
Acetaphusere Auduscene	613		1980	40,374	Ø.379	<b>₩</b>	<0.364
Benzialendene	O/OF		<b>∑</b> 5	A.37	Ø 379	<0.371	AD 364
Benzo(a)pyrene	¥ Z		7 <del>9</del>	7. F	£. €	E 6	38 to 9
Bertzo(b)Buoranthene	¥Z		19€	40374	Ø.539	£ 6	90 0.
Benzolf Museumhans	¥:		19K (P	A 374	€1379	40371	-0.364
Chryste	₹ ₹ Z Z		<del>2</del> <del>2</del> <del>2</del>	40.374	40.379	40 371	<b>₹0.364</b>
Di-n-butytphthalane	1020		<b>7</b> 5	76.6	6/F/P	<u> </u>	0.364
Dibenzia, h) anthracene	¥		<b>⊕</b> 361	40374	\$ F	7 6	2000
Florence	60		19. P	40,374	Or 9620:0	Ø 37.1	0.0340 JQ
Indeno(1,2,3-od)pyrene	§ <del>1</del>		19. E	934	Ø 379	14 P	· n 364
Phenurdrene	ž ž		<b>19</b> €	7.E (P	\$ 2. 7 F	F F	70.364
				,		160	For a

TABLE 3-1

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POSITIVE ANALYTICAL RESULTS
Acrospace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

		Sample ID	OT3841SA	OT3842SA	FDUP-04	OT3843SA	OT3844SA
		Sample Date	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	MSC	Depth	00.20	0.0 - 2.0	0.0 - 2.0	0.0' - 2.0'	00.20
PARAMETEROAFILOS		Notes		Prod.	Supplicate of OT3842SA		
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS - SW1270/SW3556 (mg/lg) cont'd.	ent'd.						
Pyrane	310		19€.19	40,374	0379	40.371	0.0269 70
bia(2-Ethythexyl)phthalata	2.04		19€	40.374	<0.379	(£,0)	<b>79</b> €
Total PAHs			Q	Ž	0.0236	2	6090 0

Data Orasitification Flags/Netes:

MSC = Medium-Specific Concentration

NA = Not usuable

ND = Not Detected

ND = Not Detected

ND = Not Detected

PAH = Polymiclear Aromatic Hydrocarbon

J = Estimated quantitation based upon QC data

JB = Estimated quantitation possibly biased high or a false positive based upon QC data

JL = Estimated quantitation possibly biased high based upon QC data

JQ = Estimated quantitation possibly biased low the Practical Quantitation Limit

R = Datum rejected based upon QC data do not use

The Datum rejected based upon QC data do not use

The Datum rejected based upon QC data do not use

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POSITIVE ANALYTICAL RESULTS
Acrospace Museum Site
Naval Alts Station Fort Worth Joint Reserve Base, Carrooll Fleid
Fort Worth, Texas

100   100								
No. of teachers   No. of tea			Sample ID	OT3845SA	OT3846SA	OT3847SA	OT3848SA	FDMP-05
		0.00	Sample Date	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22.OCT-05
		Je E	Copper Co	00-20	0.0 - 2.0	0.0 - 2.0	00-20	00.20
1.   1.   1.   1.   1.   1.   1.   1.	PARAMETER/METHOD (UNITS)		NOICE .				₫	Duplicate of OT3848SA
	SOIL PH - SWYMASNONE (NORE) 623-9045 pH units Soil	•		-	1 1			
1.00   1.00	PERCENT SOLLD - DALLS NONE (PSTSSEL)				T.;	7.14	7.59	1.72
10   10   10   10   10   10   10   10	0.23-1.72.16 Mosture	,		16.0	10.0	13.0	16.0	92
1.00	METALS, TOTAL BY ICPRIVED 05W3059 (mg/kg)							2
1,	Antimone	٧		13000	9110	0019	ontal	200
1,	Berum	90		6725	2.49 1Q	<19.3	7 7 7	01.00
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Berylium	8 3	L	6.00	82.4	9.17	988	
1,000   1,00	Calcium	7 <b>4</b>	_	0.733	<b>E</b> 5	4.31	£.5	2 46
1,	Съготиш	<u> </u>		121000	179000	109000	139000	138000
No.   170	Cobah	2 2			88 V		45.4	c41.0
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Copper	2 2			3.57 JQ			4.10
1300   131000   131000   131000   131000   131000   131000   131000	lron	. Y		0.73	8 ;			J3.1 JQ
NA   250 NQ   150 N	Magnesium	ž		57.	0/4/	6230	13200	10900
NA   170	Manganese	×		35	DCC7	0261	2800	2420
10   10   10   10   10   10   10   10	Molybdenum	¥		2 20 10	2 2			212
NA   1705   1000   10	VCKE	92		9.11.6	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			O. D
NA   213   110   718   243		٧		2490	1030	927	1787 1822	219
1	Solding.	115		S. 2	₩.	, &	2 2	2 T
NA   115   114   115	Versection	ž:		273	110	78.9	101	2 8
1.05   1.05	Zine	Š ž		17.5	24.1	15.4	23.3	21.4
15   155		Š		- 787 - 787	S.09	5,00	204	218
15   156   38.4	ARSENIC, TOTAL, BY GPAASW, 7969 (mg/kg)							
15   19.6   38.4     17.28		3.27		2.57	967		3.53 J	5.48
15   196   384   128   189   180	LEAD, TOTAL BY GFAANSW 7421 (mp/le)					ı		
Mathematical   Math	per	1.5		9'61	JB:4	128	085	111
100 GGANIC COMPOUNDS BY GCANS - STATS AGAING COMPOUNDS BY GCANS AGAING COMPOUNDS BY GCANS - GAING COMPOUNDS - GAING COMPOUNDS BY GCANS - GAING COMPOUNDS BY GCANS - GAING COMPOUNDS BY GCANS - GAING COMPOUNDS - GAING COMPOUN	SELENIUM, TOTAL BY GFAA5W 7744METHOD (marks)	-			J			77)
Decario Compounds By CCMS - SWE146NONE (medical parts)   100	Selenjum	3.0		<b>1</b>	= 5 7	,	;	:
100   100	VOLATILE ORGANIC COMPOUNDS BY GCMS - SWILLIAMONE (mether)	-				2	3	7.08 1.
ATTILE ORGANIC COMPOUNDS BY GC/MS . SWITTMSW1559 (marker)   ATTILE ORGANIC COMPOUNDS BY GC/MS . SWITTMSW1559 (marker)   Attache	Tolvene	8			O 001100 O	0.0019\$	0.00663	C1 01000000
with         613         dd 394         dd 366         dd 379         dd 392           at         dd 36         dd 376         dd 379         dd 392           NA         dd 394         dd 366         0.0641         Q 392         dd 392           NA         dd 394         dd 366         0.0641         Q 392         dd 392           Inper/ene         NA         dd 394         dd 366         0.0641         Q 392         dd 392           Inper/ene         NA         dd 394         dd 366         0.0641         Q 392         dd 392           Inmatrumene         NA         dd 364         dd 366         0.0703         Q 392           Inmatrumene         NA         dd 366         0.0703         Q 392           Aloy         dd 394         dd 366         0.0703         Q 392           Aloy         dd 394         dd 366         0.034         Q 396           Aloy         dd 394         dd 366         0.034         Q 396           Aloy         dd 394         dd 366         dd 392         D 392           Aloy         dd 394         dd 366         D 392         D 392           Aloy         dd 394         D 366         <	SEMI-YOLATILE ORGANIC COMPOUNDS BY GCMS - SWI2765W3559 (melter)				•	<b>!</b>		Of Classics
3070   4034   4034   4034   40344	Acanaphthene			78L (5)	36.6	į	•	
NA   Q1394   Q1366   D1637   Q1394   Q1366   D1637   Q1394   Q1366   D1637   Q1394   Q1366   D1637   Q1394	Andralogue Barra's barrans	3070		Ø.394	8 <del>8</del>	\$ £	26.	d 397
NA   Q1394   Q1366   Q1379   Q1372     NA   Q1394   Q1366   Q1644   Q   Q1372     NA   Q1394   Q1366   Q1644   Q   Q1372     NA   Q1394   Q1366   Q1373   Q1373   Q1373     NA   Q1394   Q1366   Q1073   Q   Q1372     NA   Q1394   Q1366   Q1073   Q   Q1372     NA   Q1394   Q1366   Q1073   Q   Q1372     NA   Q1394   Q1366   Q1394   Q1366   Q1394   Q   Q1372     NA   Q1394   Q1366   Q1394   Q1366   Q1394   Q1366   Q1394     NA   Q1394   Q1366   Q1395	Benand a braner	Ϋ́Υ		<b>₩</b>	98€	0.0637 30	745 P	
NA   CD   SD   SD   SD   SD   SD   SD   SD	Benzolb fluorambens	¥		Ø.394	€0.366	d 379	<b>40 192</b>	10t 62
NA   Cl   1394   Cl   1395	Benzofehinerviere	ž ;		₩.	40.366		<b>₩</b>	0 397
A	Benzo(k)fluoranthene	ž ;		386	90.0€	<b>€16</b> (D)	<0 392	<0.397
Color   Colo	Chrysene	<b>K</b> :		<0.394	99€.0⊳	<0.379	₹ 00	<0.397
134 40 4034 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024 10 40392 10024	Di-n-butytptttalate	V 1		76. O	99,70		<b>20.392</b>	△0 397
409 4036 4036 40379 40392 409 40394 40366 1030 1000 1000 1000 1000 1000 1000	Diberta(a, h)anthracene	N N		<b>X</b> 2	93.6		<0 392	<b>70 397</b>
469 40394 40,366 (1379 (1392 (1393 (	Phorenthene	£ 6		¥ 6	<b>9</b>			√n 397
NA 40394 40396 40379	Phorene	604		<b>1</b> 5	95.6			Of 8890 0
AN ANA	Indeno(1,2,3-cd)pyrene	¥Z		90.39	86. A	2 5	26.0	-0.397
ON NA SECOND SEC	Photograph who	ž		₩394	99. <del>Q</del>		265	76E P.

POSITIVE ANALYTICAL RESULTS
Aerospace Museum Ste
Naval Air Station Fort Worth Joint Reserve Base, Carawell Field
Fort Worth, Texas

		Sample ID	OT3845SA	OT3846SA	OT3847SA		FDUP-05
		Semple Date	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	MSC	Depth	0.0-2.0	0.0 - 2.0	0.0 - 2.0		0.0' - 2.0'
		Notes.				Dra	ticate of OT3848SA
PARAMETER/METHOD (UNITS)							
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCIMS · SWIDTMSW1559 (melle) central	ŧ						
Pyrane	36		₩ 994	996	0.142	0.0549 JQ	Ot 2970 0
bai(2-Ethythexyd)phthalare	2.04		₩ 394	99€(⊅	€0.379	Or 981.0	<0.397
Total PAHs			S	Ş	0.5149	0.0945	0.1749

Data Crestification Flagratheses:

MSC = Medium-Specific Concentration

NA = Not writable

ND = Not Detected

ND = Not Detected

ND = Not Protected

PAH = Polynuclear Aromatic Hydrocarbon

1 = Estimated quantitation: possibly biased high or a false positive based upon blank data

NH = Estimated quantitation: possibly biased high based upon QC data

NH = Estimated quantitation: possibly biased high based upon QC data

NL = Estimated quantitation: possibly biased low or a false negative based upon QC data

NQ = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data do not use

R = Datum rejected based upon QC data do not use

R = Datum rejected based upon QC data (organics) and background concentration and MSC value (metals)

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		ommbe ID	CI 3849SA	OT3850SA	OTTRAISA
		Semale Date	30 000		C21.00.10
		Sample Date	22-OCT-95	23-001-95	23-OCT-95
	MSC	Depth:	0.0 - 2.0	00-20	0.0 - 2.0
PARAMETER MATHOD MINITED		Notes		Background	Background
				Sample	Sample
SOIL PH - SW945NONE (Neeps) 623-9045 pH units Soil			7.76	ě. r	
PERCENT SOLID - DALIG NONE (BETTON)			•	2	8
623-D2216 Moisture	•		4.00	12.0	90.9
METALS, TOTAL BY ICPSW60105W3050 (methy)					
Abundan	¥		2550	2120	3650
Antonony	9:0		<18.1	13 82	0 <b>8</b> 15
Description	200		28.9		53.1
Calcium	<b>7</b> 0		4.17	09.7 <sup>3</sup>	0.216
Operanting	YZ		180000	170000	15900
Cobalt	2			<b>7</b> (g)>	10.8
Connection	ž;		8.	2.17 JQ	3.45 JQ
	¥;		<b>€</b> 2	Or 10.9	96.9
	<b>4</b>		4740	7040	5110
Manganese	<b>4</b> 2		DC 95	5000	1080
Mokydenum	<b>₹</b> ₹		<b>26</b> (		223
Nickel	<u></u>	L	7 7 7	¥ 61	<b>3</b>
Potassium	2 \$	J	161	230	
Skiver	21.12		29.52	70 T	¥ 5
Sodium	٧×		173	36	
	<b>Y</b> Z		8.68	14.5	
2	¥2		62.8	110	43.1
<u>ARSENIC, TOTAL BY GFAASW 7860 (marks)</u> Avenic	,		į		
	3.27		2.2	2.31 JL	1.69
LEAD, TOTAL BY GFAASW 7421 (mg/g) Lead	\$1		13.0	L.	18
					R
SELENIUM, TOTAL BY GFAASW 7748METHOD (mg/Lg) Selenium	2003		<0.386 JL	40.424 IL	O9-05-
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWEMENONE (MECK)					
Tohere	100		0.00763	0.000918 JQ	0.0302
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWIZ 79/35/9 (Mg/ks)	2				
Acenaphthene	613		₫345	40.376	Of 8090.0
Androcate	3070		₫345	40.376	Of 8210
Benzi e janutraceno	٧		€,345	△376	
Down and Marie	<b>Y</b> 2		936	40.37€	0.479
Desized by interdesic	<b>*</b>		\$1.0	<b>40.376</b>	0.442
Per mile When mathema	¥ ;		9345	0.376	0.129
Chryste	¥ ;		Ø.345	⊕.376	0.593
Di-n-burybothalate	¥ č		33€	40.376	
Dibeag 4, himthracene	0701		G 75	975	0 0282 JQ
Pluorardiene	Ç Ş		<u> </u>	9 F	0 107
Fluorene	607		¥ 5	26.6	0.658
Indeno(1,2,3-cd)pyrene	Ž		¥ 6	\$1. F	

POSITIVE ANALYTICAL RESULTS
Acrespace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

POSITIVE ANALYTICAL RESULTS
Aeraspace Maseum Site
Naval Air Station Fort Worth Joint Reserve Base, Curreell Field
Fort Worth, Texas

Notes			Sample ID	OT3849SA	OT3850SA	OT3851SA
MSC   Depti   0.0'-2.0'   0.		_	sample Date:	22-OCT-95	23-OCT-95	23-OCT-95
CUNITS		MSC	Depth:	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0
Sumple S  NIC COMPOUNDS BY, GCMS - SWEETBASW3558 (Methal) courtd.  310			Note:		Background	Background
NIC COMPOUNDS BY GCMS - SWITTHSW3558 (MRMA) could. 310	TAKAMETENMETHOD (UNITS)				Semple	Sample
310 CD CD 345 CD 376 CD 376 CD 376 CD 376 CD ND	SEMI-YOLATILE ORGANIC COMPOUNDS BY GCMS - SWIZTWINSSIG (MPPL) CONT.					
0.04 ON	Pyrene	310		\$ PT (0)	A116	0.00
QX QX	bis(2-Ethythexyf)phthalate	2.04		A. 345	₫.376	0.237 10
	Total PAHs			2	2	5.17

PREPARED/DATE John Pecore / 2-22-96
CHECKED/DATE Sue D. Max / 2-22-96

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A high degree of variability was observed between the concentrations reported for several metals in the two site-specific background samples. Based on this observation, the background concentrations used for data comparison in the following section may not be representative of basewide background concentrations.

# 3.1.2 Data Summary

The analytical results for the Aerospace Museum Site are discussed by chemical class below.

Volatile Organic Compounds - Methylene chloride and toluene were detected in soil samples collected at this site. Methylene chloride was detected in one soil sample, OT3804SA, however the result was less than the PQL. Toluene was detected in both background soil samples. Background sample OT3851SA contained 0.0302 mg/kg of toluene and OT3850SA contained toluene at a concentration less than the PQL. Toluene was detected in 44 of 51 samples analyzed as depicted in Figure 3-1, however, 27 results were reported at concentrations less than the PQL. The maximum concentration of toluene was 0.0302 mg/kg, reported in background sample OT3851SA. Toluene was reported throughout the site in concentrations ranging from nondetect to 0.0194 mg/kg at OT3841SA. The detection of toluene in background samples may be indicative of the presence of a source unrelated to the Aerospace Museum Site.

Semi-Volatile Organic Compounds - Semi-volatile constituents detected in soil samples included acenaphthene, anthracene. benz(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, benzo(k)fluoranthene, butyl benzyl phthalate, butylphthalate, dibenz(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3cd)pyrene, naphthalene, phenanthrene, pyrene, and bis(2-ethylhexyl)phthalate. Semi-volatiles were not detected in background sample OT3850SA; however, background sample OT3851SA contained acenaphthene, anthracene, di-n-butylphthalate, fluorene, and bis(2-ethylhexyl)phthalate at concentrations below the PQL, and low concentrations of benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene.

Polynuclear aromatic hydrocarbons (PAHs) were detected in 20 soil samples out of 49 samples collected at the site as depicted in Figure 3-2. The highest concentrations of PAHs encountered were collected from the northern third of the site and included samples OT3801SA, OT3814SA, and background sample OT3851SA. Dibenzofuran was also detected in samples OT3801SA and OT3814SA. The maximum concentration of total PAHs reported was 46.42 mg/kg, at OT3801SA, collected adjacent to Farmer's Branch. A second area exhibiting lower levels of PAHs was identified in the vicinity of sample OT3847SA, on the south side of the site.

Phthalates were detected in several soil samples, however, butyl benzyl phthalate and dinbutylphthalate were detected only at concentrations below the PQL. Bis(2-ethylhexyl)phthalate was detected in five samples, including background sample, OT3851SA. The maximum concentration reported was 1.09 mg/kg at OT3804SA, on the northwest edge of the site.

Metals - Metals detected in soil samples include aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, silver, sodium, vanadium, and zinc. All of these metal constituents were detected at one or both background locations with the exception of selenium and cadmium. The following metals were detected at the site at concentrations greater than the background concentration:

- Aluminum results exceeded the maximum background concentration of 5,120 mg/kg at 40 of 49 sample locations. The maximum sample concentration reported was 20,800 mg/kg at OT3824SA.
- Antimony results exceeded the maximum background concentration of 1.99 mg/kg at 10 of 49 sample locations, as depicted in Figure 3-3. The maximum sample concentration reported was 2.79 mg/kg at OT3848SA. The remaining locations exceeding the background concentration are distributed across the site.
- Arsenic results exceeded the maximum background concentration of 2.31 mg/kg at 13 of 49 sample locations as depicted in Figure 3-4. The maximum sample concentration reported was 5.48 mg/kg at OT3848SA on the southwest edge of the site. The remaining locations exceeding the background concentration are distributed across the site.

- Barium results exceeded the maximum background concentration of 57.2 mg/kg at 47 of 49 sample locations as depicted in Figure 3-5. The maximum sample concentration reported was 6,730 mg/kg at OT3835SA.
   All other samples were reported with concentrations less than 200 mg/kg.
- Beryllium results exceeded the maximum background concentration of 0.216 mg/kg at 27 of 49 sample locations as depicted in Figure 3-6. The maximum sample concentration reported was 1.72 mg/kg at OT3825SA located on the eastern edge of the site. Additional locations exceeding the background concentration are distributed across the site.
- Cadmium was detected at two locations, OT3806SA and OT3809SA, at concentrations of 0.972 mg/kg and 0.843 mg/kg, respectively. These locations are depicted in Figure 3-7. Background samples were anlayzed for cadmium, but no cadmium was detected.
- Calcium results exceeded the maximum background concentration of 170,000 mg/kg at 13 of 49 sample locations. The maximum sample concentration reported was 285,000 mg/kg at OT3817SA. Additional locations exceeding the background concentration are distributed across the site.
- Chromium results exceeded the maximum background concentration of 10.8 mg/kg at 18 of 49 sample locations, as depicted in Figure 3-8. The maximum sample concentration reported was 40.8 mg/kg at OT3801SA located on the northeast edge of the site.
- Cobalt results exceeded the maximum background concentration of 3.45 mg/kg at 22 of 49 sample locations, however many of the results were less than the PQL. The maximum sample concentration reported was 7.49 mg/kg at OT3810SA located on the north side of the site.
- Copper results exceeded the maximum background concentration of 6.90 mg/kg at 27 of 49 sample locations. The maximum sample concentration reported was 24.8 mg/kg at OT3801SA located on the northeast edge of the site.
- Iron results exceeded the maximum background concentration of 7,040 mg/kg at 34 of 49 sample locations. The maximum sample concentration reported was 20,000 mg/kg at OT3840SA located on the southeast edge of the site.

- Lead results exceeded the maximum background concentration of 96.3 mg/kg at 4 of 49 sample locations. Lead exceeded the secondary background concentration of 52.3 mg/kg at one additional location, as depicted in Figure 3-9. The maximum sample concentration reported was 1,030 mg/kg at OT3840SA located on the southeast edge of the site. Two adjacent sample locations, OT3847SA and OT3848SA, were reported with concentrations of 128 mg/kg and 722 mg/kg, respectively. One additional location OT3801SA, on the northeast edge of the site, was reported with a lead concentration of 227 mg/kg.
- Magnesium results exceeded the maximum background concentration of 2,000 mg/kg at 30 of 49 sample locations. The maximum concentration reported was 3,200 mg/kg at OT3824SA located on the west edge of the site.
- Manganese results exceeded the maximum background concentration of 346 mg/kg at 32 of 49 sample locations. The maximum concentration reported was 678 mg/kg at OT3822SA located in the central portion of the site.
- Molybdenum results exceeded the maximum background concentration of 1.91 mg/kg at 20 of 40 sample locations, however many of the results were less than the PQL. The maximum concentration reported was 4.03 mg/kg at OT3840SA, located on the southeast edge of the site.
- Nickel results exceeded the maximum background concentration of 230 mg/kg at one location, OT3848SA, which was reported at 242 mg/kg. All results exceeded the secondary background concentration of 5.75 mg/kg, as depicted in Figure 3-10. Nickel concentrations across the site range from less than 10 mg/kg to 229 mg/kg.
- Potassium results exceeded the maximum background concentration of 1,160 mg/kg at 30 of 49 sample locations. The maximum concentration reported was 2,740 mg/kg at OT3824SA, located on the west edge of the site.
- Selenium was detected at six locations, with a maximum concentration of 0.143 mg/kg at OT3830SA, located in the central portion of the site.
   Background samples were analyzed for selenium, but no selenium was detected.
- Silver was not detected above the PQL at any sample location.

- Sodium results exceeded the maximum background concentration of 135 mg/kg at 13 of 49 sample locations. The maximum concentration reported was 426 mg/kg at OT3840SA, located on the southeast edge of the site.
- Vanadium results exceeded the maximum background concentration of 14.5 mg/kg at 39 of 49 sample locations. The maximum concentration reported was 28.5 mg/kg at OT3829SA, located on the east edge of the site.
- Zinc results exceeded the maximum background concentration of 110 mg/kg at 2 of 49 sample locations. Results exceeded the secondary background concentration of 43.1 mg/kg at 22 of 49 locations. The maximum concentration reported was 204 mg/kg at OT3848SA, located on the southwest edge of the site.

### 3.2 GROUNDS MAINTENANCE YARD

The following section discusses the chemical constituents detected in soil samples collected from the Grounds Maintenance Yard. Twenty-eight soil samples, two background samples, and three field duplicate samples were collected. The positive analytical results are presented in Table 3-2. This table also indicates which results were reported at concentrations exceeding the TNRCC MSC value for organic constituents, or the maximum background concentration and MSC value, for metal constituents. Constituents for which MSC criteria apply are also depicted on the associated figures to aid in the interpretation of the data.

# 3.2.1 Background Levels

Site-specific background levels of metals were determined from samples collected from two background locations adjacent to the site, OT3901SA, located to the south, and OT3902SA, located to the north (Figure 2-2). Sample data were compared to the maximum values obtained from the background samples. The secondary background sample was used when the maximum background concentrations were greater than the concentrations reported at the site. This occurred for four metals, beryllium, iron, nickel, and potassium. Both background samples

POSITIVE ANALYTICAL RESULTS
Ground Maintenance Yard
Naval Air Station Fort Worth Joint Reserve Base, Carwell Field
Fort Worth, Taxas

		Semple ID	OT30018A	A 20005	- CT-CO-T-C		
		Sample Date	23-OCT-95	23-72-7.95	73-OCT 85	OLISMOSA STOCKE	OT3905SA
	MSC	Depth	0.0 - 2.0	00-20	00.20	00.100	24001-93
		Notes	Backermind	Recharound		07.00	07-00
PARAMETER/METHOD (UNITS)			Semple	Semple			
SOIL BH - SWYGGSNONE (BRIEG) 623-9045 pH units Soil			9	į			
			•	18.	7.65	38:	1.72
PERCENT SOLID - DIZZG MONE (percent) 623-DZ216 Mouture	,		5	9	e e	;	
METALA, TOTAL BY ICPSW6918/3W3659 (mg/kg)			2	16.0	007	17.0	160
Aluminum	414						
Antmony	<b>4</b> 4		0820	9440	7090	4370	4300
Barium	900		<19.8 04.3	0.12	9.6	42.3	421
Ватубічт	3 2	L	5.67	<u> </u>	121	170	118
Calcium	* <b>*</b>	J	1000	16.53	0.551	\$9.77 77.68	£.2
Сћгопиш	01		92.0	00001	Oneni O	234000	204000
Cobalt	Ž		2 2 2	25	7 2 2 2		
Copper	¥z				Or 27.5		2.27 JQ
lron	¥X		10800		(4.0 (4.0)	Y 50.5	161
Magnesitum	٧X		1790	2470	336	0074	
Mangarese	¥		333	334	)	DC 7.7	27
Molybdenum	٧		1 43 JO	1.59 JO	3	7 7	2 6
Note of the second seco	01		8.72	114	7.35	23.5	) [92
Software	٧×			1480	1500	H 00=	0101
Varadism	¥;		52.0 JB	70.6	87.9	151	349
Zinc	<b>4</b> 2		15.4	17.4	9.93	6.87	9.64
	ζ.		7.07	44.2	17.3	78.5	S
ARSENIC, TOTAL BY GRAASW 1646 (mg/kg) Abenic	101		ę	1	3		
	•		7.73	78.7	661	1.47	191
LEAD, TOTAL BY GFAASW 7431 (methy)	;						
	<u>-</u>		12.4	101	H 2.21	5.87	71.9
SELENIUM, TOTAL, BY GFAASW 7746/METHOD (Mg/kg)							
	20		Ø.426 JL	7 2	Q.35 JL	Q.18 J.	454 D>
ORGANOCHIORINE PESTICIDES AND PCB4 - SWBBBASW3559 (mg/hg)							
4:000	0.119		₾ 00382	€0.00400	€0 00412	CI) 00/413	2000
4,4-DOE AB1344	0.0841		<0.00153	<0.00160	<0.00165	\$400 D	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Chordena	0.05		₾ 0382	◆ 0400	△0.0412	0 0413	0000
Detail	0.2		€0191	<0.0200 <	<0.0206	<0.0206	€ 0200
Methorychlor	0 000 176 0 001 76		₩9.000.0>	00 <b>80</b> 00 €	<0 000824	0.000873	008000∵
	8		1610	<0.0200	40.020¢	<0.0206	<0.0200
CHLORINATED HERBICIDES - SWITSOMETHOD (BELLE)							
2,4,5-TP (Silvex)	2 00		<0.00460	<0.00454	<0.00482	CD 000498	<0.00482
MCF	¥		3.5	<b>Q</b>	29.62	7.0	4 05
VOLATILE ORGANIC COMPOUNDS BY CCMS - SWIMMONE (METE)							
Actione Courtes Actions	1020		<0.0118	<0.0117 J	<0.0124	<0.00	7 0110 67
Caroon distinguish	23 4		< 000591	000586		7000 D>	20100 P
Tobians	0.5		<0.00591	△0 00586	<0.00619	<0.0000	8500
	99		0.00503 JQ	<0.00586	0.0140	×0 0000>	0.0165
							:

Tab3-2a)
09 31 (
3517-32

		Sumple ID.	OT3901SA	OT3902SA	OT3903SA	OT39048A	OT39058A
		Sample Date	23-OCT-95	23-OCT-95	23-OCT-95	23-OCT-95	73.O.T. 05
	MSC	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	00.20	00.70
SEEMING GOVERNMENT OF A		Notes	Background	Background	; ;		
MARKET ENTRE IN COURTS)			Semple	Semple			
EMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWR2765W3569 (menu)							
2-Methytraphthalene	<b>∢</b> 2		380	161.0	Ø 412	009160	5
Acenaphthene	613		380	Q 391	B 412	5 F	20.00
Anthracene	3070		380	Q.391	Ø 412	9	¥ £
Benz( a) unthracene	¥		0.380	Q.391	₩.	9.40	5
Benzo(alpyrene	ž		Q.380 J	Q.391	Ø 412	- D07 (D	2.7
Bonzo(b) Buoranthene	×		₩.380	Q.39I	Ø.412	- 007 B	2 9
Benzulg halperylene	ž		0.380 J	40.391	₽.412	7 004.00	3.48
Zo(k)ducerathene	₹ Z		0380 0	Q.391	₫.412	0.400	3.11
Стужене	¥		0380	Q.391	Ø.412	007.00	
Dien-bury philialate	1020		Of 9/20:0	40.391	Ø.412	99 P	0.0688 10
eng(a,h) enthracene	ž			Q.391	<b>₫.41</b> 2	0000	
Normalitiene	Ş		<b>09.</b> (7	0.39	Q.412	Ø.400	4.83
Thorene	<b>60</b>		Q 380	<b>€.0</b>	Ø.412	₽	0.117 30
Indeno(1,2,3-cd)pyrene	<b>₹</b>		0380 7	(¥.391	Ø.412	Q.400 J	3.01
Nephthakene	<del>6</del> 0		09.780	0,391	Ø.412	Ø9.00 Ø	Ø 193
Phonantirene	۷ Z		0330	0.391	Ø.412	90.400	2.26
Pyrene	310		0330	Ø.391	Ø.412	004.00	629
bes(2-Ethylhexyl)phthalate	2 04		<b>08</b> £.⊖	₩.391	⊄0.412	0.400	2.35
Total PAH:			Q.	Ş	2	9	

POSITIVE ANALYTICAL RESULTS
Ground Maintenance Vard
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

TABLE 3-2

POSITIVE ANALYTICAL RESULTS Ground Maintenance Yard Naval Air Sation Fort Worth Joint Reserve Base, Curwell Field Fort Worth, Texas

		Cl element	OTBOXEA	- Though				
		Sermole Date	21 OCT 05	Asince in	V SWEST	VI39095A	OT3910SA	OT3911SA
	MSC	Death.	06.30	23-(7-1-3)	24-OCT-95	24-OCT-95	23-001-95	23-OCT-95
	}	Notes	0.7 - 0.0	U.Y - Z.U	0.0 - 2.0	0.0 - 2 0	0.0' - 2.0'	00'-20
PARAMETERMETHOD (UNITS)								
SOIL PH . SW964S/YONE (mene)								
623-9045 pH units Soil			197	7.59	7.90	7.67	1.77	79
PERCENT SOLID . DITLE MONE (percent)								}
	,		23.0	20.0	18.0	17.0	16.0	210
METALS, TOTAL BY ICP/SW6018/SW30650 (mg/kg)								
Antimony	¥Z		\$140	4060	4580	2260	3880	7000
American	9.0		<b>43.9</b>	42.6	8.25	2.25 JO	475	040
Berufin	200		179	143	152	130	186	<b>18</b>
Calcium	70		ζ. <b>%</b>	4.4	5.7	99.7	89.7	- 28 7
Chromium	₹ s		296000	214000 JQ	269000	220000	281000	177000
Cobalt	2 2			Or 80				19.2 10
Copper	ζ <b>ζ</b>		Z 2 2	Or PSI	S :		2.42 JQ	3 16 JQ
Iron	ž			90.6	7.28 JQ	Ω Σ,		01 65.6
Magnesium	ž		1770	0571	06/5	DC\$4.	4580	6830
Мапрапсне	ž		271	33	12.0	1890	2080	2260
Molybdenum	ž		1.43 .10	G 53	र उ	6/5 7/5	2 2	
Nortel Determine	10	Ш		239	243	133		7 252
	¥ Z		\$69	HI 0761	831	) <u>8</u>	267	0.61
Vanadium	¥ ;		180	<b>Ξ</b>	130 JB	109 JB	<u>\$</u>	400
Zinc	Ž		9	<b>26.</b> 9	79.7	8.41	7.70	9 11
	ž		33.2	<b>7</b> 16	75.5	93.0	76.0	112
ARSENIC, TOTAL BY GFAASW 7066 (mg/L)								
Americ	3.27		0.901	169	0.456	2.11	1.87	2.05
LEAD, TOTAL BY GFAA/5W 7421 (me/le)								3
Lend	1.5		10.1	949	*	75.6	9	
SELENIUM, TOTAL BY GFAA/SW 7740/METHOD (mecha)							Q.39	707
Selenium	5.0		0.310 JQ	433	O. 478 JQ	0.562 30	Of 888 30	J 469
ORGANOCHLORINE PESTICIDES AND PCB4 - SWIBBASW3559 (Mg/lg)						,	,	•
<b>Q</b> QQ-, <b>/</b> ')	0.119		900403	A 100.14	200	***************************************	,	
(.t.DDE	0.0841		<0.00162	991000₽	00161	0.00397	59100 F	
Chlerdena Cherdena	0.05		<0 0405	DIM D	<0.0403	0.161	⊕ 0405	0000
	0.2		<0.0202	0.0652	<0.0202	<0.0198 R	<0.0202	×0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Methoxychlor	4 00 1/2		0.000810 0.0202	CD: 000628	A).0008066	<0.000794	0.000827	<0.000826
THE COLUMN THE PROPERTY OF THE					70.70	RAIS OF	7070 🗇	90 <b>7</b> 0 0>
CHLORINALED HERBICIDES - SWITSWIETHOD (mp/kg) 2,4,5-TP (Silvex)	8							
MCPP	8 4		400494 12	<0.00500 0.00500	<0.00488	<0.00482	<0 00486	0 00551
	5		₹.	80	<b>9</b>	8	3 V	73.72
YOLATILE ORGANIC COMPOUNDS BY GCMS - SWELLING (MENC)								
Accounts Carbon disulfide	1020		<0,0121	<0.0125	<0.0121	<0.0123	l 0210.0>	<0.0123 1
Methylene chloride	23.4		90900 0>	<0.00624	0.000610 JQ	<0.00617	<0.00602	<0.00614
Tohoene	<b>?</b> §		0.00410	₽ 00024	90900 0:-	<0.00617	-0 00602	<ul><li>70 00614</li></ul>
	3		0.000727	<0.00624	0 00501 10	0.00546 1Q	Of 07300 0	0.0112

POSITIVE ANALYTICAL RESULTS Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texar								
		Sample 1D	OT3906SA	OT3907SA	OT3908SA	OT3909SA	OT39103A	OT3911SA
		Sample Date:	23-OCT-95	23-OCT-95	24-OCT-95	24-OCT-95	23-OCT-95	23-OCT-95
	MSC	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0" - 2.0"	0.0-2.0	0.0-2.0
PARAMETER/METHOD (UNITS)		Notes						
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCIMS - SWR779/3596 (meths)								
2-Methyburphthalene	٧×		€0.431	€1413	90,406	₩ 397	Ø.362	Q 410
Acetaphthene	613		<b>⊕ 43</b> 1	0.0259 10	9010	<b>₹0.397</b>	933	6170
Andrecene	3070		Ø.431	0.0834 JQ	90,406	<0.397	333	Ø 419
Monta a partituacene	ž		40.431	0.516	90+00		₩ 93	9419
Dontzola pyyrene	¥		<b>⊕</b>	0.667	90,40€	0.242 JQ	€0.392	\$ <del>\$</del>
Dertaco o juniorammente	¥Z		<b>⊕</b>	0.668	90,406	0.488	40.392	6 <b> </b> ₹  6
Denizor C. I. J. Mary Vene	¥ Z		<b>A</b>	0.414	90+0	0.142 /Q	€0.392	9419
DALLOOK FINDORALIDATION	¥		Ø.431	0.513	<b>€0.406</b>		€0.392	40 419
Chrysette	¥ Z		<b>⊕</b> 431	0.666	90,406	0.344 70	⊕392	6 <b>1</b> 0
	1020		<del>0</del>		90,406	<0.397	₩392	<0.419
Liberary (L. n.) an own cond	₹ Z		<b>15</b>	0.0541 7Q	907.00	-	€0.392	<0419
	<b>6</b> 0		<b>12</b>	0.772	90+0€	0.243 JQ	€0.392	<0.419
	<b>6</b>		<b>⊕</b>		90,406		<0.392	<0.419
Indenov 1, 4,3-ca pyrene	¥ Z		<b>⊕</b>	0.362 1Q	<b>9</b>		₩.392	<0.419
	604		Ø.431		90,406	0.0153 AQ	€0.392	<0.419
	ž		<del>6</del> .51	0.276 1Q	90¥.6		Ø.392	<0.419
	310		Ø.631	0.801	90+0		₩ 392	61₹0
DEC 2-EUNTREXY INDICATE E	2.04		<b>6.43</b> 1	₫.413	90,406		€0.392	<0.419
LOCAL FALSE			2	5.017	Q	2.203	QN	QN

IABLE 3-3
POSITIVE ANALYTICAL RESULTS
Ground Maintenance Yard
Naval Air Station Fort Worth Joint Reserve Base, Currell Field
Fort Worth, Texas

		Sample ID	FDX/P-06	OT10128A	A\$1101.10	100100		1
		Semple Date	23-OCT-95	24-OCT-95	23-OCT-95	74-07-1-95	M-OCT 95	
	MSC	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	
PARAMETER/METHOD (UNITS)		Notes: Duplica	Notes: Duplicate of OT3911SA					
SOIL PH - SW944SNONE (BORE) 623-9045 pH units Soil			7.69	7.31	25.2	392	47.5	l
FERCENT SOLID - D2216 MONE (preent) 633-D2216 Methre					2	6	2	
MATATA STATES			18:0	19.0	18.0	19.0	17.0	
METALS, LUIAL BY ICTOWNINGWOOD (motic)	;							
Antimony	₹ v		56 98 7	<b>4</b> 620	5790	6280	8950	
Barium	8 8		977.	Ç6.7 1	42.1 JL	2.97 JQ	42.3	
Beryllium	0.4		181 10	2 2	<u> </u>	191	191	
Culcium	¥		176000	710001	6,62	BT.25	<b>89</b> 7	
Chromium	01		C452		432WW	DODON!		
Cobatt	¥		2.89 10	2 5 5			O .	
Copper	¥				2 2			
Iron	¥					Or 1.21		
Magnesium	ž		2000	OEO!	9376	3300	9160	
Мандансье	¥		1.1	0661	817	2000	1830	
Molybdenum	Ž		11.	• 7	2	332	302	
Nickel	0.			7	1. 08. 1. 1. 05.	3 3	Z 48	
Potassium	ž	J	98	017	067	697	240	
Sodium	¥		<b>6</b>	E 691	0711	BK 275	<u>s</u> :	
Vanadrum	٧		9.12		£	9 70 7	174 JB	
ZINC	<b>₹</b>		122	73.6	12.1	81.1	75.4	
ABSENIC, TOTAL, BY GPAASW 7668 (BEFAE)								
Arsenic	3.27		1.82	D.460	0.926	0.080	בון האני נו	
LEAD TOTAL BY GRAAMW 7231 /					1			
Lead	-		;	;				
	2	]	17.5	10.1	98.	8.48	9.19	
SELENIUM, TOTAL BY GFAASW 774METHOD (mg/kg)								
Solettium	5.0		<0.462	O. 599 JQ	40.452 JL	0.617 JL	01422 10	
ORGANOCHIORINE PESTICIDES AND POR SWARBASWISCA (Macha)				•			?	
4.4.DDD	•							
4.4.DDE	611.0		0 000167 JQ		<0.00427	40.00408	<0 00402	
AR1254	0.084		191000	Of 821000	4.00171	0.000749 JQ	0.0010M JQ	
Chlor dane	6		50 <b>0</b> 00 ₹		40 0427	-0 0408	<0 0402	
Dieldrin	0.1000		7070.0	Or 1710:0	40.0214	<0.0204	<0.0201	
Methoxychlor	80.4		D00000	45.0008)4	<0.000854	40 000816	<0.000804	
	}		7070.0	W070.02	¥120 ₽	<0.0204	<0.0201	
CHLORINATED HERBICIDES - SWEISOMETHOD (= 2/4)								
Z,4,5-1 F (Silvex)	2.00		<0.00488	₫.00492	€0.00508	O0490	CD 00478	
	V.		<b>3</b> 9:0	99.5	₽	3.68	2000	
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWIZHMONE (MEDIC)								
Acetone	1020		- 4119	1070				
Curbon distultible	33.4			50800	4 0000	<0.0123	-0 0120 	
Mettrykene chloride	0.5		01900 O>	1000 F	0.00021	9100010	-0 0000 F	
Tohnene	001		0 00631	C) Wand	01 36100	010000	10000 0	
					<i>!</i>	****	Dr. Missing a	

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(Tab3-2a)
1209.31
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23-OCT-95  24-OCT-95  1Q  Q 402  Q 402  Q 407  Q 40			Sample ID	FDUP-06	OT3912SA	OT3913SA	OT1914SA	OTTOTAGA
MSC Depti: 007-20 00-20			Sample Date	23-OCT-95	24-OCT-95	22.OCT.05	WOT OK	AUCTACIO
Notes: Depicants of OT3911SA  NA  10159 NQ 122 JQ 0 4407  10170		MSC	Depth	0.0 - 2.0	00-20	00.20	00-10	24-17-17
MA 0.159 NQ 122 NQ -0.407  613  613  613  614  615  615  617  616  617  617  617  617			Notes Duplic	ate of OT3911SA			0.4	0.0
MA 0 159 MQ 122 MQ 0 4407 0 4406 0 4407 0 44	PARAMETER/METHOD (UNITS)							
NA 0.159 NQ 122 JQ 0.407  3000  NA 0.406	SEMI-VOLATILE ORGANIC COMPOUNDS BY GCM3 - SWR7165W3559 (meta)							
1 3070	2-Methylauphthalene	ž			12.2 ID	<b>27</b> F	£ 6	50.
NA GAME  NA	Accraphthene	613				£ 6	£ 6	7 6
NA Golden	Anthracese	3070			5	5	4	
NA GA466 C204 GA477 GA477 NA GA476 C204 GA477 NA GA477	Benz(a) anthracene	¥Z		90	8	<b>4</b>	- 6	
NA	Benzo(a)pyrene	¥		40.40¢	8	9 402	7070	<b>6</b>
NA	Benzo(b) fluorunthene	¥Z		904.0>	8	40.402	Q.401	26. B
NA GA406 C204 GA407 J NA GA406 C204 GA407 J 10700 GA406 C204 GA407 J NA GA406 C204 GA407 GA407 J NA GA406 C204 GA407 GA407 J 4499 GA407 GA407 GA407 GA407 GA407 J NA GA406 C204 GA407 GA407 J NA GA406 C204 GA407 GA407 J NA GA407 GA407 GA407 GA407 GA407 J NA GA408 GA407 GA407 GA407 GA407 J NA GA408 GA407 GA407 GA407 GA407 GA407 J NA GA408 GA407 GA407 GA407 GA407 GA407 J ND ND ND ND ND ND	Benzo(g.h.i)perylene	¥		904.0	200	<b>€0.402</b>	C 401 □	56. P
NA	Benzo(k)fluorenthene	¥		904.0	7.02	<b>€0.402</b>	Q.407 J	₩ ₩
1020	Thrysene	¥		90¥.©	80	<b>⊕</b> 402	<0.407 J	26. P
NA	N-n-buty phthalate	1020		9.46	<b>7</b> 00	△0.402	<0.407	₩ 395
409 0 0430 AQ	Obenz ( p. h) anthracene	¥		<0.406	700	Ø. <b>4</b> 02	€0.407	₩ 995
105 00723 NQ 2.53 NQ 0.0402 0.0407 NA 0.02466 0.0714 0.0407 0.0407 1 NA 0.0246 0.0714 0.0407 0.0407 1 NA 0.0259 NQ 5.00 NQ 0.0407 0.0407 1 2.04 0.0731 NQ 0.0731 NQ 0.0407 0.0407 1 0.0645 0.0407 0.0407 0.0407 1 0.6645 0.0407 0.0407 0.0407 1 0.6645 0.0407 0.0407 0.0407 1 0.6645 0.0407 0.0407 0.0407 1 ND ND	Thoratethene	\$			7	<0.402	0.401	200.00
MA 40.406 C20.4 40.407 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Norene	<b>\$</b>				<0.402	<0.407	₹0.395
Aboy     0.038 JQ     3.77 JQ     402     407       NA     0.259 JQ     5.00 JQ     40.27     40.47       310     0.0403 JQ     5.00 JQ     40.47     40.407       2.04     0.466     40.40     40.407     40.407       on blank data     0.6645     23     ND     ND       on QC data     ND     ND     ND	indenso(1,2,3-cd)pyrene	¥ Z		904.0€	₹	Ø.	€0.407	2000
NA 0.259 JQ 5.00 JQ 40.7  310 0.029 JQ 5.00 JQ 40.7  2.04 0.047 1 0.047 1 0.047 1 0.047 1 0.047 1 0.047 1 0.047 1 0.047 1 0.047 1 0.047 1 0.047 1 0.047 1 0.048 1 0.04	Amphibitions	<b>\$</b>				Ø.402	<0.407	△.395
310 0.0731 NQ <204 40.402 40.407 1 2.04 0.407 1 2.04 0.407 1 2.04 0.407 1 0.6645 2.33 ND	Nenanthrene	ž				€0.402	<0.407	395
2.04	Jrane	310			80	<0.402	<0.407	395
00 6645 23 ND ND	on (2-Ethylhexyd) phthalate	2.04			700	Ø.402	40°407	₩ 0
on blank data on QC data	Total PAHs		:	0.6645	23	QN	QN	Q
on blank data on QC data	Data Ogatification Place/Notes:							
on blank data on QC data	MSC * Medium-Specific Concentration							
on blank data on QC data	VA * Tvot available							
on blank data on QC data	4D = Not Detected							
on blank data on QC data	AH = Polymuclear Aromatic Hydrocarbon							
on blank data	- Estimated quantation based upon QC data							
on QC date	IB = Estimated quantitation: possibly biased high or a false positive based upon blank data							
an QC date	IH = Estimated quantitation; possibly biased high based upon QC data							
•	IL = Estimated quantitation; possibly biased low or a fabe negative based upon QC data							
	PQ = Estimated quantitation: detected below the Practical Quantitation Limit							

POSITIVE ANALYTICAL RESULTS
Ground Maintenance Yard
Naval Air Station Fort Worth John Reserve Base, Carrooll Field

TABLE 3-1

POSITIVE ANALYTICAL RESULTS Ground Milntenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carywell Field Fort Worth, Texas

		Sample ID	OT3916SA	OT39178A	OT3918SA	OT3919SA	OT3920SA	OT1971SA
	MSC	Sumple Date	24-OCT-95	23-OCT-95	23-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95
PARAMETER/METHOD (UNITS)		Notes		0.2 - 0.0	0.0 - 2.0	0.0 - 2.0	00.2.0	00°.20°
SOIL PH . SWP44SNONE (Neme) 623-9045 pH urits Soil			2,	57.	94			
PERCENT SOLID - D2216 MONE (PRIVER)				ò	<b>B</b> C''	28. 28.	7.50	7.52
METALS, TOTAL, BY ICPSW40105W3050 (metle)			D E	0.81	14.0	13.0	D'91	12.0
Abtranum Antimony	Y X	L	\$890	7810	06730	3540	4530	4810
Berium	26 26 27	J	3.06 JQ	22.9	7. E	619.6 141		224 10
Herythum Calcium	9 4 0 2		34.6	0.458	0.428	233	11.2 JH 22.61	82.9 2.49
Chromium	2	Ш		7.06	139000	234000 7 04 JO	165000 7.82 JH	157000
Copper	¥ × z z		2 48 JQ	3.94 JQ	2.48 JQ	Or 601		174 10
Iron Manustrim	ž			0677	6570	4920	3.48 JH 5240	8.29 JQ 5780
Marganese	¥ ¥		2080	2160	2140	2150	04.91	1770
Molybdenum	ž		4.14	2.02	313 2.31 JO	310	328	273
Nickel Pobassium	₽ \$	U	222	9.60		_	733	134
Sodium	₹ <b>₹</b>		1120	0.55	1740			
Vansdium	¥ Z			11.6	7.18	113 JB 7 12	E 221	92.4 JB
24477	٧		93.0	25.3	26.6	52.7	95.2 J	71.2
ARSENIC, TOTAL BY GFAASTW 7848 (mg/lg) Americ	3.27		1.49	1.40	2.13	1,33	<u>0</u> . –	14.2
LEAD, TOTAL BY GFAASW 7421 (mg/kg)							3	
Peed	13	Ų	20.3 JH	7.8	14.9	11.3	46.7	146
SELENIUM_TOTAL BY GFAASW 7740/METHOD (mg/kg) Seletium	20		-0.396	⊕.452	8	50	: :	
ORGANOCHLORINE PERTICIPES AND POB. CUIDORENCES (2.1.4.1.)					AS A S	77 6710	CD 410 JL	0 0895 JL
(4-DDD	0 119		€200379	△0 00415	\$60 G	900 9		,
4.4-UDE 4.4-DDT	0 0841		0.0116	40 00166	0.00165	<0 00152	0.0430	40.00376 0.000653 JO
AR1254	0.00	L	0.00379	<0.00415	€0,00386	O0.00380	0.0134	<0 00376
Chlordene	0.2	J	800	\$ 60 FG	\$60 F	40.0380 0.00083	7660 @	<0.0376
Detartion of the controls	0.00179			0€8000 €>	<0.000772	© 000000 ✓ 0000000	0110 60000788	0.0584 <0.000752
Methoxychlor	0.020 4 00		8 100 6 8 100 6	40.00208 20.00208	A.00193	06100 D	0 00175 10	-0.00188
CHLORINATED HERBICIDES - SWEIGHMENTHOD (*****)				9070	610.77	06 io 07	<0.0197	-0 0188
2, 4,5-TP (Silvax)	~		<0.00460	0.00510	40.00464	D 00460	<0.00472	<0.00450
VOLATILE ORGANIC COMPOUNDS BY GCIMS - SWELMPING (MECA) 2-BURNONE (MEK)				;			ı	
Acetone	1020		9710 P	0.0266	A 0121 J	1210 6	0 0193	<u></u>
Metry state chicked	0.5		√D 00630	<₽ 00000	<0 00603	01 00289 10	00000 D>	0 0 271
	Ç,		-10 00 <b>630</b>	<0.00607	0.000440 JQ		00900 0>	0.00610
100			•					

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POSITIVE ANALYTICAL RESULTS
Ground Maintenance Yard
Naval Air Station Fort Worth Joint Reserve Base, Carroell Field
Fort Worth, Texas

		Ol adume	A 199105A	V139178A	OT3918SA	OT39198A	OT3920SA	OT3921SA
	\$	Sumple Date	24-OCT-95	23-OCT-95	23-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95
	Action 1	5 Tabox	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETERMETHOD (UNITS)								
Tohume	100		0.00382 JO		Ci syruu o	אַנוּטּס	2 77 0000	1 2
Xytenes (total)	1000		<0.0000 €	Or 96Z00'0	<0.00003	Q.00603	00900 D	01900 D
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWIZTWISS (METC)	79/5W1559 (mg/kg)							
2-Methydraphthalene	¥X		€383	<b>₩</b>	382	28.	2 01.0	;
	<b>Y</b> Z		⊕383	40 40¢	382	23.0	> - Si €	
Bonza a pyrane	¥X		0 0274 JQ	40,404	₩.982	-0 38Z	0.0419	
Subdiversed and the subdiversed	¥X			<del>2</del> 9.6	Z9C (D	Ø 382	0.0335	
Design printed to the state of	YZ :		5.60	₩.	28C (B)	<0.382	Q 395	<b>CA</b>
City Series City Series (Series Series	<b>Y</b>		0.0490 JQ	<b>4</b>	Q.382	<0.382	0.0389	C110
Directly drawn of the control of the	1020			₩.	-d.382	280.0>	△0.395	7.7.E Ø
Chromothers	YZ :			<b>9</b> .40€	<b>€</b> 0.382	<b>40.38</b> 2	<0.395	CD.377
Phytone	8		0.0598 JQ	<b>79</b> .09	A 387	787.0>	0.0486 JO	0.0224 10
	\$0 <del>7</del>		383	A).404	<0.382	<b>€0.382</b>		
Phononitrons	60 <del>4</del>		<b>38</b>	₩.	<b>29</b> . 0⊳	Z90,00	00774 30	<0.377
Depart	YZ :			¥0.40¢	Z3€ (D)	∠0.382	•	0,377
his (2. Fifted factor) behalf to late	310		0 0000 JQ	<b>70</b> 7€	€0.382	<0.382		0.0708
Total Datus	2.04			79.19	0.494	<b>28</b> 0.0≻	€ 395	7710>
			0.2659	Ş	2	9	0.5105	0.0012

POSITIVE ANALYTICAL RESULTS
Ground Maintenance Yard
Naval Ale Station Fort Worth Joint Reserve Base, Carwell Field
Fort Worth, Texas

A Comparison   A Co			Sample ID:	OT3922SA 24-OCT-95	OT3923SA 24-OCT-95	OT3924SA 24-OCT-95	OT3925SA 24-OCT-95	FDUP08 24-OCT-95
No.   180   220   170	PARAMETER/METHOD (UNITS)	3	Notes	0.0 : 2.0	00-20	0.0' - 2.0'	0.0 - 20	0.0 - 2.0' Duplicate of OT3925SA
NA	SOIL PH - SW994SNONE (Rene) 623-9045 pH units Soul	,		7.87	7.56	1971	1.74	26
NA   NA   110000   110000   111	PERCENT SOLID - DILLG MONE (Bereen) 623-D2216 Mountre	,		0 <b>81</b>	22.0	17.0	17.0	70.
No.   1000   110	METALS, TOTAL BY ICP/SW6010/5W3050 (mp/u)							
10	Abatianion	۷ ۲		10800	D906	0£55	1530	7697
13	Antamony	9.0	<u> </u>		7339		200	1867 F
NA	Bernen	200	J		E		22	\$21 \$21
NA	Beryfarm Calaina	•		40	₹.87	451	0.535	0.521
No.		Y Z	l	119000	120000	193000	122000	128000
NA	Cobalt	요 ;	ز_	14.6 JQ		13.4 JQ	7 40	9.21
NA	Cooper	e s		260 10		1.59 JQ		2.43
NA	tron	Ç ş					18'6	
NA	Memerican	<u> </u>		D261	8570	4620	6910	6850
NA	Marganese	¢ 4		2630	0122	2480	2140	2110
10	Molybdenum	Ç <b>∢</b>		777		372	220	<u>\$</u>
NA	Nickel	=	L	3 2	_	3	3 .	<4.34
NA	Potassium	ž	j	0261	1860	5	9.7	6.78
NA	Sochum	¥ Z						
1377   13.00	Veracturn	¥ Z		9.84	13.8			
15   118   119   110   111   110   111   11   111	2007	<b>∀</b> Z		48.9	58.8	105	32.4	21.2
15   9.11   1.27   0.114   H   1.22	ARSENIC, TOTAL, BY GFAASW 7666 (BEFLE)							
15   911   140   14   140   867   867	Amenic	3.27		3,08	0.566	1.27	0.814 JH	0.844
15   9 11   140   114   140   18.67   40.00     25.0	LEAD, TOTAL BY CLAARW 7455 /6>							
\$10   \$10   \$11   \$10   \$12   \$12   \$10   \$12   \$12   \$13   \$13   \$13   \$14   \$15   \$14   \$15	Lead	13		9.11	33.1	14.0	8.67	60'6
1356 (mg/kg)   119   1	SELENIUM, TOTAL, BY GFAASW 7744METHOD (mg/kg) Selenum	5,0		9 9	<b>5</b>	701.0	84.6	Ę
0   15   0   0   0   0   0   0   0   0   0	ORGANOCHLORINE PESTICIDES AND PCB - SWMMAW3559 (medic)				•		ş j	75
0.0841   0.00400   0.004	4,4'.DDD	0 119		CO ODAM	30,000	60 00 00 00 00 00 00 00 00 00 00 00 00 0	-	
0.0841   0.0841   0.00000   0.00000   0.00000   0.00000   0.000000   0.00000   0.0000000   0.0000000   0.0000000   0.0000000   0.0000000   0.00000000	4,4°.DDE	0.0841		200		9100	(ACOO)	<0.00408
0.05	4, <b>4</b> -DDT	0.0841		00400 00400	2000	100 E	0.00139	£9100 (P)
0 2	AR1254	0.05		00400	90 0426	CO (UV)	CO 0397	-0.00408
0.00179   0.00179   0.000800   0.000802   0.000800   0.000802   0.000800   0.000800   0.000800   0.000800   0.000700   0.000000   0.0000000   0.000000   0.0000000   0.000000   0.000000   0.0000000   0.0000000   0.0000000   0.0000	Chlordane	0.2		<0.0200	Ø 0213		666	P000 9
0.020   -0.00200   -0.00213   -0.00200   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00198   -0.00199   -	Deden:	0 00179		C0:000800	<0.000852		40,000,0>	518000000
400   -10 0200   -10 0213   -10 0200   -10 0298	richaenar epoxiae	0.020		<0.00200	<0.00213	<0.00200	₩100.00	<d 00204<="" td=""></d>
S	MEDIOXYCIAC	<b>7</b>		0200 D	<0 0213	<0.0200	\$610.0D	<0 0204
\$\frac{1}{10}\$\text{COMFOUNDS BY CCMS}\$-\$\$W\$244NONE.(mg/kg)\$\$  \$\text{SII}\$  \$\text{comfounds BY CCMS}\$-\$\$\$\$\text{comfounds BY CCMS}\$-\$\$\$\$\$\$\$400480\$  \$\text{SII}\$  \$\text{comfounds BY CCMS}\$-\$\$\$\$\$\$400480\$  \$\text{comfounds BY CCMS}\$-\$\$\$\$\$\$\$\$\$\$400480\$  \$\text{single comfounds BY CCMS}\$-\$	CHLORINATED HERBICIDES - SWITSOMETHOD (IND/A)							
LANIC COMPOUNDS BY CCMS - SWIZ44NONE (mg/kg)         511 <a href="6">ab 0121</a> <a href="6">ab 0127</a> <a href="6">ab 0120</a> <a href="6">ab 06012</a> <t< td=""><td>2,4,5-TP (Silvex)</td><td>٧.</td><td></td><td>&lt;0 00488</td><td>&lt;0.00508</td><td>△0.00480</td><td>&lt;0.00480</td><td><b>√0 00464</b></td></t<>	2,4,5-TP (Silvex)	٧.		<0 00488	<0.00508	△0.00480	<0.00480	<b>√0 00464</b>
111	VOLATILE ORGANIC COMPOUNDS BY CCMS - SWEETSMONE (MENC)							
1020 <0.0121 <0.0127 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <0.0120 <	2-buttone (MEK.)	115		<0 0121	<0.0127	<0.0125	<0.0120	611002
0.5 <a href="https://doi.org/10.100/0019-10-0-00600">0.5</a> <a 0019-10-00600"="" 10.100="" doi.org="" href="https://doi.org/10.100/0019-10-00600&lt;/a&gt; &lt;a href=" https:="">0.5</a> <a href="https://doi.org/10.100/0019-10-00600">0.5</a> <a href="https://doi.org/10.100/0019-10-00600">0.5</a> <a href="https://doi.org/10.100/0019-10-00600">0.5</a> <a href="https://doi.org/10.100/0019-10-00600">0.5</a> <a href="https://doi.org/10.100/0019-10-00600">0.5</a> <a href="https://doi.org/10.100/0019-10-00600">0.5</a> <a 10.100600"="" doi.org="" href="https://doi.org/10.100600&lt;/a&gt; &lt;a href=" https:="">0.5</a> <a 10.100600<="" a="" doi.org="" href="https://doi.org/10.100600&lt;/a&gt; &lt;a href=" https:=""> <a 10.100600"="" doi.org="" href="https://doi.org/10.100600&lt;/a&gt; &lt;a href=" https:="">0.5</a> <a 10.100600<="" a="" doi.org="" href="https://doi.org/10.100600&lt;/a&gt; &lt;a href=" https:=""> <a 10.100600<="" a="" doi.org="" href="https://doi.org/10.100600&lt;/a&gt; &lt;a href=" https:=""> <a 10.100600<="" a="" doi.org="" href="https://doi.org/10.100600&lt;/a&gt; &lt;a href=" https:=""> </a></a></a></a>								

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Ground Maintenance Yard Naral Air Station Fort Worth Joint Reserve Base, Carwell Field Fort Worth, Texas							
		Semple ID:	OT39228A	OT3923SA	OT3924SA	A590850	
		Sample Date	24-OCT-95	24-OCT-95	24-OCT-95	24-DCT_05	20 100 10
	MSC	Depth	0.0 - 2.0	00-20	0.0 - 2.0	0.0 - 2.0	00.20
PARAMETER/METHOD (UNITS)		Notes					Duplicate of OT3925SA
Tolume	001	l	0.00770	<0.00635	0.000692 XO	25 25 25	78504 F
Xylenses (total)	1000		9090000>	<0.00635	<0.00625	009001⊅	40°00594
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWR7465W359	176/3W3558 (mg/kg)						
2-Methytruphthalone			00₩0>	⊕ 4.133	0 <del>0</del> 0	388	97
Benzia)anthracene	<b>4</b> 2		97,400	Ø.423	Ø. ±	0350	
Benzo(a)pyrene	¥Z		O 400	Ø 423	0.0296	€ 60 0	
Benzo(b) thoracthere	¥2		<b>00</b> ₽	Ø.423	0.0860	4399 1	₹ 0.410
Butyl benzyl phthalate	<b>Y</b> 2		97	€273	09.19	738 7	40.410
Chysene	¥X		⊕ 400	£3.⊕	Q.400	€0100	0170
Di-n-butyprithalate	1020		004 ₽	₫.423	99.60	₩ 938	01410
Currentyphinalite	¥Z		Q) <b>400</b>	₫.43	9 <del>,</del> 40	40.399	Ø.410
- flyorininene	409		9 400	±.43	<b>90,400</b>	0.0127 JQ	0.450
Fluorene	406		<b>00 400</b>	Ø.473	99.60		0#7
Naphinalene	400		<b>00+00</b>	Ø.423	O <b>9</b> *0	86 P	⊕.410
ruchantero	¥Z		<b>9</b> 7	₽.42	<b>6</b> 00 €	₫ 388	8.46
ryrene	016		<b>9</b>	<b>13</b> .	<b>9</b>	€ 338	<0.410 J
0xe(2-Ethythexy) partnalate	2.04		<b>90</b> +00	€7.63	99 (P)	Q 386 D	017:0
Total PAHs			ON	2	0.1136	0.0127	2

Data Qualification ThereThose

MSC \* Medium-Specific Concentration

NA = Not available

I \* Estimated quantitation based upon QC data

IB = Estimated quantitation; possibly biased high or a false positive based upon blank data

II \* Estimated quantitation; possibly biased light or a false negative based upon QC data

II. \* Estimated quantitation; possibly biased low or a false negative based upon QC data

NQ = Estimated quantitation; detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data, do not use.

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POSTITVE ANALYTICAL RESULTS
Ground Maintenance Yard
Naval Air Station Fort Worth Joint Reserve Base, Currwell Field
Fort Worth, Texas

		Cample ID	OTJOACCA	OTTONIE A	- Contraction			
		Sample Date	24-OCT-95	24-OCT-95	24-OCT-95	FDUP07	0T3929SA	OT3930SA
	MSC	Depth	00.20	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	00.20	0.0 - 2.0
PARAMETERMETHOD (UNITS)		Notes				Duplicate of OT3928SA		
301LpH - SW984SNONE (neec) 623-9045 pH units Soil			265	3	7.1			
PERCENT SOLID - D2216 (NONE (percent)			3		•	<b>4</b> 0.7	797	7.51
	•		18.0	19.0	17.0	12.0	18.0	19.0
METALS, TOTAL BY ICPSWIGIOSWIGS (mp/c)								
Abuninum	¥ Z	ı	6970	1910	7700	6420	10700	U510
Antimony	9.6		271 10	77	5.05	Ot 18:1	192 10	2.04 JL
Bardium	200		<b>22</b> 7	\$E	119			
Calcium	Z Z		1 2001	71500	97.79	4.4	0 610	0.742
Chronium	10			7.19	262 10	12/000	77100	23000
Cobalt	¥,			3.47 JQ		264 10	2.5	2 20 2
Copper	¥ Z		9.93 JQ			10.7 30		
Variation	¥ :		9830	0649	9630		7590	7480
Menomore	¥ :		2020	2260	2310	1870	3140	2380
Mokbdenim	<b>Y</b>		275	279			322	397
Nickel	<b>₹</b> ⊆	L	44.92	<4.23	0, 2,	2.06 JQ	2.26 JQ	<464 1L
Pobssarium	2 2	J	03.8	7.61	116 7	59.3 1	80°	8.44
Sodium	<b>Y Z</b>		87.5 JB	65.6 JB	101	1960	2290	
Venedium	٧×					20.5	BY 071	Mr 917
Zuc	¥Z		34.6	£.#	87.4	- 000	181	9.50
ARSENIC, TOTAL, BY CFAASW 7869 (mg/kg) Avenic	3.27		<b>8</b>	Ē		1		
	•		5	5		13.4 JH	2.93	2 S6 JL
Lead. LVIAL BY GANSW 781 (mg/k)	113		8.57	22.9	1 098	1 951	<b>18</b>	
SELENIUM, TOTAL BY GFAASW 7744MFTHOD (merke)							•	
Sekrum	5.0		0.458 JQ	<0.412	<0.453	0.410 JQ	<b>∆0.413</b>	<0.468 JL
ORGANOCHLORINE PESTICIDES AND PCBs - SW10005W3550 (merks)								
4,4'-DDD	0 119		OI SERVICE	<b>576</b>				
4.¢-DDE	0 0841			19100 F	0 141	0.003/4	C0 00402	<0.00403
4.4-DDT	0.0841		<0.00405	© 00408	0 176	) - 11000 C	0 00 00 00 00 00 00 00 00 00 00 00 00 0	70100
AR1254	0.05		<0.0405	⊕ 0408	40 0397	100 E	CU DAID	50 0040 6
Chlordane	0.2		<0.0202	<0.0204	0.0773	0 0375 1	30 0201	0.021
Unidan Hartechlor accorde	0.00179		0.00331	<0.000816	₹0.000794	<0.000748	<0.000804	018000 0
Methorychior	0.020		70.00202	-0.00204 -0.00204	Ø:00198	-0 00187	10200 0>	₹0 00202
	3		7070	MOZO (7)	<b>8</b> 15 €	0.0129 JB	-10 0201	- 0 0202
CHLORINATED HERBICIDES - SW8156/METHOD (mg/kg) 2.4.5-TP (Shex)	•							
Zonnaman) and other	n		<b>d 00486</b>	<0.00492	<0.00480	<0 00454	<0.00489	- 0 00490
VOLATILE ORGANIC COMPOUNDS BY GCIMS - SWIZHRINGNE (MENC)								
2-Butanore (MEX.) Acetore	511		<0.0118	<0.0124	€110 Ф	<0.0122	97100>	-00124
Methylene chloride	1020		RIIOD	<0.0124	6110.0	ZZ 10 (D)	40 0126	-00124
Tetrachloroethene	50		<0.00592	© 00620	96500 F	80900 U>	-0 000 28 -0 000 28	. 0.00621
*			•			2000	07(W) (	CA RECURNING
			_		,		•	-
)   No   150	_	_	_		بالغا		_	
								7

PREPARED/DATE: John Pecore / 2.22-96
CHECKED/DATE: Sue D. Max / 2.22-96

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POSITIVE ANALYTICAL RESULTS Ground Maintenance Yard Naval Alt Station Fort Worth Joint Reserve Base, Carmell Field Fort Worth, Texas								
PARAMETER/METHOD (UNITS)	Sample ID Sample Date MSC Depth Notes	ple ID OT3926SA e Date: 24-OCT-95 Depti: 0.0'-2.0'	0739278A 24-0CT-95 0.0 - 2.0	073928SA 24-0CT-95 0.0 - 2.0 Dup	FDUP07 24-OCT-95 00 - 2 0 Duplicate of OT39288A	OT3929SA 24-OCT-95 0.0 - 2.0	OT3930SA 24-OCT-95 0 Ø · 2 Ø	
Tolusne Xyfeness (total)	100	<0.00592 <0.00592	<0.00620	0.00668 0.00596	0.00159 JQ <0.00608	\$2900 (\$\rightarrow\$	0 00230 JQ	
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWR2765W3559 (mente)	•					•		
2-Methytnaphthalene		<0.405	₩ ₩	40,197	K. D	Ę	3	
Denig a) and inscens	¥	<0.405 J	Q 401		1 5750	E 6	3 5	
Benzela jpyrene	ž	40.405	Ø.407	0.0433	41173	E 19	9 6	
Henzol by the crantherne	¥	40.405 J	0.0375 JQ	0.0659	40373	00431 10	3 4	
Bulyt benzyt primalate	¥	<0.405	<0.407	40.397	E 124 €		<u> </u>	
Curyene Care Care Care Care Care Care Care Car	¥	<0.405 J	0.0243 JQ	Or 1590'0	0.373	0.0345 10	; <del>5</del>	
CA-in-builty particulation	1020	<0.403	Ø.407	40.397	0.0257 JQ	CD+03	900	
Chicamphana Elizabeth	¥.	40 40 S	<b>₽</b>			₹04	90400	
Division	604	CD:402	0.0167 JQ	0.0873 JQ	O. 1210.0	Q+Q3	0.40€	
Monthlykelen	807	€0.40\$	<b>40.40</b>	40.397		€0.403	Of 25100	
Chance the same	<b>6</b>	₩.403	₩.	19£.©	€1€ Ф	<b>CD 403</b>		
	¥.	G).40\$	Q .407		40.373	€04.03	0 0265 JO	
Linea Education de Laboration	310	0.0474	0.0240 JQ	Or 1960:0	0.0270	€0.403		
The Date	7 04	- SQ+02	Ø.407	40.397	<0.373 J	<0.403	0.309 JO	
LONG PACIT		0.0474	0.1025	0.439	0.0421	0.0776	0.0402	

TABLE 3-2

Data Oralitication FlagarNotes:

MSC - Medium-Specific Concentration

NA = Not available

J = Estimated quantitation based upon QC data

JB = Estimated quantitation: possibly based high or a false positive based upon blank data

JB = Estimated quantitation: possibly based high or a false positive based upon blank data

JB = Estimated quantitation: possibly based layer or a false negative based upon QC data

JQ = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data do not use

The manual power occessed MSC value (organics) and background concentration and MSC value (metals)

3-39

appeared to contain high concentrations of aluminum and vanadium, indicating that the background locations may not be representative of background conditions.

A high degree of variability was observed between the concentrations reported for several metals in the two site-specific background samples. Based on this observation, the background concentrations used for data comparison in the following section may not be representative of basewide background concentrations.

# 3.2.2 Data Summary

The analytical results for the Grounds Maintenance Yard are discussed by chemical class below.

<u>Volatile Organic Compounds</u> - Acetone, 2-butanone (MEK), carbon disulfide, methylene chloride, tetrachloroethene, toluene, and xylenes were detected in soil samples collected at this site. With the exception of toluene, volatile constituents were not detected in the background samples. Background sample OT3901SA contained 0.00503 mg/kg toluene which was less than the PQL. Toluene was detected in 21 of 28 samples analyzed as depicted in Figure 3-11, however 14 results were reported at concentrations less than the PQL. The maximum concentration of toluene detected was 0.0336 mg/kg at OT3925SA. Other volatile constituents detected include the following:

- Acetone was detected at three locations, OT3912SA, OT3917SA, and OT3920SA with a maximum concentration of 0.107 mg/kg at OT3917SA. These locations are adjacent to the mower storage shed and concrete containment pad.
- 2-Butanone was detected at two locations, OT3917SA and OT3920SA with a maximum concentration of 0.0266 mg/kg at OT3917SA. These locations are adjacent to the mower storage shed and concrete containment pad.
- Carbon disulfide was detected at one location OT3908SA, on the east edge of the site, at a concentration of 0.00061 mg/kg.

- Methylene chloride was detected at five locations with a maximum concentration of 0.0271 mg/kg at OT3921SA, located in the central portion of the site.
- Tetrachloroethene was detected at two locations, OT3918SA and OT3930SA. The maximum sample concentration reported was 0.00358 mg/kg at OT3930SA, located adjacent to the office on the southwest edge of the site.
- Xylenes were detected at one location, OT3917SA, at a concentration of 0.00296 mg/kg, which was below the PQL. This location is adjacent to the mower storage shed.

Semi-Volatile Organic Compounds - Semi-volatile constituents detected in soil samples include 2-methylnaphthalene, acenaphthene, anthracene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, butyl benzyl phthalate, chrysene, di-n-butylphthalate, dimethylphthalate, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, and bis(2-ethylhexyl)phthalate. Semi-volatiles were not detected in the background surface soil samples with the exception of di-n-butylphthalate detected at 0.0276 mg/kg, which was below the PQL, in sample OT3901SA.

PAHs were detected at 15 of 28 sample locations as depicted in Figure 3-12. The highest concentrations of PAHs encountered were collected from samples collected adjacent to the concrete containment pad and along the east edge of the site. The maximum concentration of total PAHs reported was 41.01 mg/kg, at OT3905SA.

Phthalates were detected in several soil samples, however di-n-butylphthalate was detected only at concentrations below the PQL. Butyl benzyl phthalate was detected above the PQL in one sample, OT3916SA, at a concentration of 2.60 mg/kg. Bis(2-ethylhexyl)phthalate was detected above the PQL at two locations, OT3905SA and OT3918SA, at concentrations of 2.35 mg/kg and 0.494 mg/kg, respectively. OT3905SA is located on the east edge of the site.

<u>Pesticide/PCBs</u> - Pesticides and PCBs detected in soil samples include 4,4'-DDT, 4,4'-DDD, 4,4'-DDE, Aroclor 1254, chlordane, dieldrin, heptachlor epoxide, and methoxychlor. Pesticides and PCBs were not detected in either of the background soil samples. Pesticide/PCB constituents are depicted in Figure 3-13 and are discussed below:

- 4,4'-DDT was detected at two locations, OT3920SA and OT3928SA, at 0.0134 mg/kg and 0.176 mg/kg, respectively. These locations are near the concrete containment pad and the equipment bay.
- 4,4'-DDD was detected at four locations, OT3911SA, OT3920SA, OT3926SA, and OT3928SA. The maximum sample concentration reported was 0.0342 mg/kg at OT3928SA.
- 4,4'-DDE was detected at nine locations, with a maximum sample concentration of 0.143 mg/kg at OT3928SA.
- Aroclor 1254 was detected at two locations, OT3909SA and OT3916SA, at 0.161 mg/kg and 0.181 mg/kg, respectively. These locations are in the fenced electric substation.
- Chlordane was detected at 8 of 28 sample locations. The maximum sample concentration reported was 0.110 mg/kg at OT 3920SA, near the concrete containment pad.
- Dieldrin was detected at three locations, OT3904SA, OT3910SA, and OT3926SA. The maximum sample concentration reported was 0.00331 mg/kg at OT3926SA, near the west edge of the site.
- Heptachlor epoxide was detected at one location, OT3920SA, at a concentration of 0.00175 mg/kg, below the PQL.
- Methoxychlor was detected at one location, OT3928SA, at a concentration of 0.0129 mg/kg, however this result was qualified as an estimated value due to blank contamination.

<u>Chlorinated Herbicides</u> - Herbicides detected in soil samples include 2,4,5-TP (Silvex) and MCPP. Herbicides were not detected in either of the background soil samples. Silvex was detected in two samples, OT3911SA and OT3917SA, at 0.00551 mg/kg and 0.00510 mg/kg,

respectively. MCPP was detected in sample OT3905SA at 4.05 mg/kg. Figure 3-14 depicts the locations where herbicides were detected.

Metals - Metals detected in soil samples include aluminum, antimony, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, sodium, vanadium, and zinc. All of the metal constituents reported were detected at one or both background locations with the exception of antimony and selenium. Aluminum, arsenic, barium, calcium, iron, lead, magnesium, manganese, nickel, potassium, sodium, vanadium, and zinc were detected at concentrations above the PQL in both samples. The following metals were detected at concentrations greater than the maximum background concentration:

- Aluminum results exceeded the maximum background concentration of 9,440 mg/kg at 2 of 28 sample locations. The maximum sample concentration reported was 10,800 mg/kg at OT3922SA.
- Antimony was detected at 10 of 28 sample locations as depicted in Figure 3-15. The maximum sample concentration reported was 3.17 mg/kg at OT3922A. Antimony was not detected in either background sample.
- Arsenic results exceeded the maximum background concentration of 2.23 mg/kg at 6 of 28 sample locations as depicted in Figure 3-16. The maximum sample concentration reported was 169 mg/kg at OT3907SA on the east edge of the site. Additional locations exceeding the background concentration are distributed across the site.
- Barium results exceeded the maximum background concentration of 122 mg/kg at 20 of 28 sample locations. The maximum sample concentration reported was 183 mg/kg at OT3911SA.
- Beryllium results exceeded the maximum background concentration of 0.634 mg/kg at 2 of 28 sample locations. Detections of beryllium were reported at 8 of 28 locations, as depicted in Figure 3-17. The maximum sample concentration reported was 1.81 mg/kg at OT3911SA. Seven of eight detections were encountered on the south side of the site.

- Calcium results exceeded the maximum background concentration of 106,000 mg/kg at 25 of 28 sample locations. The maximum sample concentration reported was 296,000 mg/kg at OT3906SA. Additional locations exceeding the background concentration are distributed across the site.
- Chromium results exceeded the maximum background concentration of 9.28 mg/kg at 12 of 28 sample locations as depicted in Figure 3-18. The maximum sample concentration reported was 32.7 mg/kg at OT3905SA located on the east edge of the site.
- Cobalt results exceeded the maximum background concentration of 3.57 mg/kg at 3 of 28 sample locations, however all of the results were less than the PQL.
- Copper results exceeded the maximum background concentration of 9.04 mg/kg at 13 of 28 sample locations. The maximum sample concentration reported was 24.8 mg/kg at OT3906SA located on the east edge of the site. Many of the concentrations exceeding the background were reported below the POL.
- No iron results exceeded the maximum background concentration of 10,800 mg/kg reported at OT3901SA. However, 6 of 28 sample locations exceeded the secondary background concentration of 7,090 mg/kg reported at OT3902SA. The highest sample concentration reported was 9,630 mg/kg at OT3928SA.
- Lead results exceeded the maximum background concentration of 12.4 mg/kg at 13 of 28 sample locations as depicted in Figure 3-19. The maximum sample concentration reported was 86.0 mg/kg at OT3928SA located on the west edge of the site between the trailers. Additional results exceeding background were identified at OT3920SA near the concrete containment pad, at OT3905SA and OT3907SA on the east edge of the site, and at other locations distributed across the site.
- Magnesium results exceeded the maximum background concentration of 2,370 mg/kg at 5 of 28 sample locations. The maximum concentration reported was 3,140 mg/kg at OT3929SA located near the office.
- Manganese results exceeded the maximum background concentration of 334 mg/kg at 10 of 28 sample locations. The maximum concentration reported was 493 mg/kg at OT3911SA located on the south side of the site.

- Molybdenum results exceeded the maximum background concentration of 1.59 mg/kg at 7 of 28 sample locations, however many of the results were less than the PQL. The maximum concentration reported was 2.31 mg/kg at OT3918SA, located on the south side of the site.
- Nickel results exceeded the maximum background concentration of 114 mg/kg reported at OT3902SA, at 19 of 28 sample locations. Nickel exceeded the secondary background concentration of 8.72 mg/kg at 22 of 28 sample locations, as depicted in Figure 3-20. The maximum concentration reported was 257 mg/kg at OT3911SA, located on the south side of the site. Other locations exceeding background are distributed across the site.
- One potassium result exceeded the maximum background concentration of 2,170 mg/kg reported at OT3901SA. Potassium exceeded the secondary background concentration of 1,480 mg/kg at 12 of 28 locations. The highest reported concentration was 2,290 mg/kg at OT3929SA.
- Selenium was detected at 12 locations, however several results were reported below the PQL. The maximum concentration reported was 0.617 mg/kg at OT3914SA, located in the central portion of the site. Selenium was not detected in either background sample.
- Sodium results exceeded the maximum background concentration of 70.6 mg/kg at 27 of 28 sample locations, however 17 samples were qualified as estimated due to blank contamination. The maximum concentration reported was 550 mg/kg at OT3917SA, located on the south side of the site.
- None of the vanadium results exceeded the maximum background concentration of 17.4 mg/kg at OT3902SA, located on the north side of the site.
- Zinc results exceeded the maximum background concentration of 44.2 mg/kg at 21 of 28 sample locations. The maximum concentration reported was 122 mg/kg at OT3911SA, located on the south side of the site.

### 4.0 REGULATORY COMPARISON

The positive analytical results from the site investigation were compared to the appropriate Texas Natural Resource Conservation Commission (TNRCC) regulatory standards. The selection of regulatory standards was based on LAW's understanding of current land use and probable future land use at the facility.

### 4.1 <u>REGULATORY STANDARDS</u>

The TNRCC published the final Risk Reduction Standards in the Texas Register and the regulation was made effective June 29, 1993, (TNRCC, 1993). The standards were written for the protection of human health and the environment from exposure to contaminant releases. Under the Standards, closure of a contaminated area may be attained by applying Risk Reduction Standard Number 1, 2, or 3. Risk Reduction Standard Number 1 involves closure or remediation to background, or to the practical quantitation limit (PQL), if the PQL is greater than background. Standard Number 2 involves closure or remediation to health-based cleanup levels or medium specific concentrations (MSCs). The TNRCC has published MSCs for soil and ground water, for both industrial and residential land use. If industrial soil MSCs are used, the responsible party must register specific information about the site in the registry of county deeds, and future owners of the facility are required to undertake responsibility for post-closure care. Risk Reduction Standard Number 3 includes a baseline risk assessment for the purpose of assessing the potential risk to human health and the environment under existing site-specific conditions.

The scope of this site investigation was developed to determine the presence of site contaminants that may potentially impact human health through direct contact with surface soil, or through contamination of ground water or surface water. The land use at the two sites investigated is currently, and is expected to continue to be, industrial. Therefore, the industrial MSCs for soil were used for both the Soil/Air and Ingestion Standard (SAI-Ind) and the Soil-to-Ground Water Cross-Media Protection Concentration (GWP-Ind). The lower of the two criteria for any

detected constituent was used to determine whether a reported concentration exceeded the MSC value under Standard Number 2.

### 4.2 COMPARISON OF RESULTS TO REGULATORY STANDARDS

Background data were obtained for each of the two sites investigated in order to perform a comparison of metals constituents detected at the sites to naturally occurring concentrations. For metals occurring at concentrations exceeding background levels, results were also compared to MSC values (Tables 3-1 and 3-2). Organic constituents were compared directly to MSC values. When sample duplicate results were reported, the highest concentration was used for comparison purposes. Any result qualified as estimated due to blank contamination (JB) was not included in the sample data used for comparison.

# 4.2.1 Aerospace Museum Site

Eight metals were reported at concentrations exceeding both the site-specific background concentrations, as discussed in Section 3.1, and MSC criteria. A site map depicting the concentrations of these metals is presented in Figure 4-1.

- Antimony was reported in one background sample at a concentration greater than the MSC value of 0.6 mg/kg. Ten samples were reported with antimony concentrations greater than background and the MSC criteria.
- Arsenic was reported at concentrations greater than the MSC value of 3.27 mg/kg in three samples.
- Barium was reported at a concentration greater than the MSC value of 200 mg/kg in one sample.
- Beryllium was reported at concentrations greater than the MSC value of 0.4 mg/kg in 25 samples.
- Cadmium was reported at concentrations greater than the MSC value of 0.5 mg/kg in two samples.

- Chromium was reported in one background sample at 10.8 mg/kg, greater than the MSC value of 10.0 mg/kg. Eighteen samples were reported with chromium concentrations greater than the background sample and MSC value.
- Lead was reported in five samples at concentrations exceeding the secondary background sample and the MSC value of 1.5 mg/kg.
- Nickel was reported in thirty-two samples at concentrations exceeding the secondary background sample and the MSC value of 10.0 mg/kg.

All volatile and semi-volatile organic constituents detected were compared directly to the appropriate MSC values. All sample results reported for organic constituents were less than the MSC values.

# 4.2.2 Grounds Maintenance Yard

Six metals were reported at concentrations exceeding both the site-specific background concentrations, as discussed in Section 3.2, and MSC values. A site map depicting the concentrations of these metals is presented in Figure 4-2.

- Antimony was detected in ten samples at concentrations exceeding the MSC value of 0.6 mg/kg. Background samples were nondetect.
- Arsenic was detected in three samples at concentrations exceeding the MSC value of 3.27 mg/kg.
- Beryllium was reported in eight samples at concentrations exceeding the secondary background sample and the MSC value of 0.4 mg/kg.
- Chromium was reported in nine samples at concentrations exceeding the MSC value of 10.0 mg/kg.
- Lead was reported in thirteen samples at concentrations exceeding the MSC value of 1.5 mg/kg.
- Nickel was reported in twenty-one samples at concentrations exceeding the secondary background sample and the MSC value of 10.0 mg/kg.

All organic constituents detected, including pesticides/PCBs, herbicides, volatile organics, and semi-volatile organics, were compared directly to the appropriate MSC criteria. The sample results reported for all organic constituents were less than the MSC criteria with the following exceptions: one sample contained bis(2-ethylhexyl)phthalate exceeding the MSC criterion of 2.04 mg/kg; one sample contained both 4,4'-DDT and 4,4'-DDE, each exceeding the MSC criterion of 0.0841 mg/kg; one sample contained dieldrin exceeding the MSC criterion of 0.00179 mg/kg; and two samples contained Aroclor 1254 exceeding the MSC criterion of 0.05 mg/kg.

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

# 5.1 **SUMMARY OF FINDINGS**

A summary of findings based on the results of the soil analyses performed during the site investigations are presented in the following sections.

# 5.1.1 Aerospace Museum Site

Soil samples collected at the Aerospace Museum Site contained metals, volatile organic, and semi-volatile organic constituents. Toluene was detected in samples throughout the site, including background locations. The toluene results may be attributable to widespread ambient contamination or laboratory contamination; however, no contamination was detected in the associated field or laboratory QC blanks. Methylene chloride was detected at only one location at the site. All detections of volatile compounds were less than the MSC criteria.

Polynuclear aromatic hydrocarbon compounds were detected throughout the site, including the background sample collected north of the site. The highest concentrations encountered were in the northern area of the site adjacent to Farmers Branch. The presence of PAH constituents could be the result of surficial spills of petroleum products, oils, or lubricants previously documented at this site. None of the individual PAH constituents exceeded the MSC criteria.

Phthalates were detected at concentrations less than the MSC criteria. The presence of phthalates at low levels may be due to the prevalence of phthalate compounds in the environment, and thus may be unrelated to previous site activities.

Samples collected from four locations exhibited maximum concentrations for multiple metals. Chromium and copper concentrations were highest at location OT3801SA; aluminum, magnesium, and potassium concentrations were highest at location OT3824SA; iron, lead, molybdenum, and sodium concentrations were highest at location OT3840SA; and antimony,

arsenic, nickel, and zinc were highest at location OT3848SA. These four locations are near the site perimeter on the northeast, west, southwest, and southeast boundaries of the site. Locations OT3801SA and OT3840SA are adjacent to Farmers Branch, which flows along the northern and eastern boundary of the site, and eventually empties into the West Fork of the Trinity River.

Of the 22 metal constituents detected at the site, all 22 were reported at concentrations exceeding background levels at one or more locations. Of these, the following eight metals also exceeded MSC criteria: antimony, arsenic, barium, beryllium, cadmium, chromium, lead, and nickel. However, the background data collected during this investigation may not be representative of base-wide background concentrations, as discussed in section 3.0. As a result, the findings for metals detected at the site are inconclusive.

### 5.1.2 Grounds Maintenance Yard

Soil samples collected at the Grounds Maintenance Yard contained metals, volatile organics, semi-volatile organics, pesticides/PCBs, and chlorinated herbicides. Seven volatile constituents were detected, including acetone, 2-butanone (MEK), carbon disulfide, methylene chloride, tetrachloroethene, toluene, and xylenes. Toluene was detected in samples throughout the site, including the two background locations. The toluene results may be attributable to widespread ambient contamination or laboratory contamination; however, no contamination was detected in the associated field or laboratory QC blanks. Methylene chloride was detected at five locations, acetone was detected at three locations, 2-butanone and tetrachloroethene were detected at two locations, and carbon disulfide and xylenes were detected at one location. The presence of low levels of volatile constituents may be related to solvent usage for the purpose of cleaning the equipment stored at the site. All detections of volatile compounds were less than the MSC criteria.

Polynuclear aromatic hydrocarbon compounds were detected throughout the site. However, the highest concentrations occurred adjacent to the concrete containment pad and directly east (downgradient) of that location. The presence of PAH constituents could be the result of

surficial spills of petroleum products, oils, or lubricants associated with site activities. None of the individual PAH constituents exceeded the MSC criteria.

All phthalates detected were at concentrations less than the MSC criteria except for bis(2-ethylhexyl)phthalate. The highest concentration detected was at a location near the eastern site boundary. The source of this contamination is unknown; however, phthalates are commonly occurring environmental contaminants.

Pesticides were detected at the site in areas where mixing and handling of these substances likely occurred. Location OT3928SA, between the trailers on the west side of the site, exhibited the maximum concentrations of 4,4'-DDT, 4,4'-DDD, 4,4'-DDE, and methoxychlor. Location OT3920SA, adjacent to the concrete containment pad, exhibited the maximum concentration of chlordane at the site. In addition, heptachlor epoxide, 4,4'-DDT, and 4,4'-DDD were also detected adjacent to the pad. PCBs were detected at two locations in a drainage feature downgradient of the electric substation. Arochlor 1254 concentrations were greater than the MSC criteria at these locations. All pesticide concentrations were less than the MCS criteria with the exception of 4,4'-DDT, 4,4'-DDE, and dieldrin.

The chlorinated herbicides Silvex and MCPP were detected at three locations at the site, but at concentrations less than the MSC criteria. The presence of herbicides is consistent with the historic use of the maintenance yard.

Location OT3911SA, downgradient from both the concrete pads and the mower storage area, exhibited the maximum concentrations for five metals: barium, beryllium, manganese, nickel, and zinc. The presence of arsenic and lead at locations OT3928SA and OT3921SA, adjacent to and downgradient of the pesticide storage area, could be related to pesticides also found at these locations.

Of the 20 metal constituents detected at the site, 18 were reported at concentrations that exceeded background levels at one or more locations. Of these, the following six metals also

exceeded MSC criteria: antimony, arsenic, chromium, lead, and nickel. However, the background data collected during this investigation may not be representative of base-wide background concentrations, as discussed in Section 3.0. As a result, the findings for metals detected at the site are inconclusive.

# 5.2 <u>RECOMMENDATIONS</u>

Based on the results of the investigations performed at the Aerospace Museum Site and Grounds Maintenance Yard, LAW has prepared the following recommendations.

# 5.2.1 Aerospace Museum Site

- Polynuclear aromatic hydrocarbons detected in the northern area of the site adjacent to Farmers Branch have not been fully delineated. LAW recommends sampling of Farmers Branch sediments to determine whether PAH constituents pose a threat to surface water. Additional soil sampling may also be necessary to define the vertical extent of PAH contamination.
- Metals data from this investigation were inconclusive because the data
  from the two background samples do not appear to be representative of
  true background levels when compared to metals concentrations reported
  from the site. LAW recommends that the results of the planned base-wide
  background study be used to reevaluate this site for concentrations of
  metals.

### 5.2.2 Grounds Maintenance Yard

- Volatile organic compounds, PAH compounds, and bis(2-ethylhexyl)phthalate detected at the site have not been fully delineated. LAW recommends additional soil sampling to fully delineate the horizontal and vertical extent of these constituents.
- Pesticides/PCBs detected at the site have not been fully delineated. LAW recommends additional sampling to determine the horizontal and vertical extent of these constituents. PCBs may pose a risk due to off-site migration via surface drainage features. LAW recommends containment of run-off from the electric substation to reduce off-site migration, and removal of the PCB source and contaminated soils.

• Metals data from this investigation were inconclusive because the data from the two background samples do not appear to be representative of true background levels when compared to metals concentrations reported from the site. LAW recommends a base-wide background study of metals in soil and a reevaluation of this site based on base-wide background concentrations of metals.

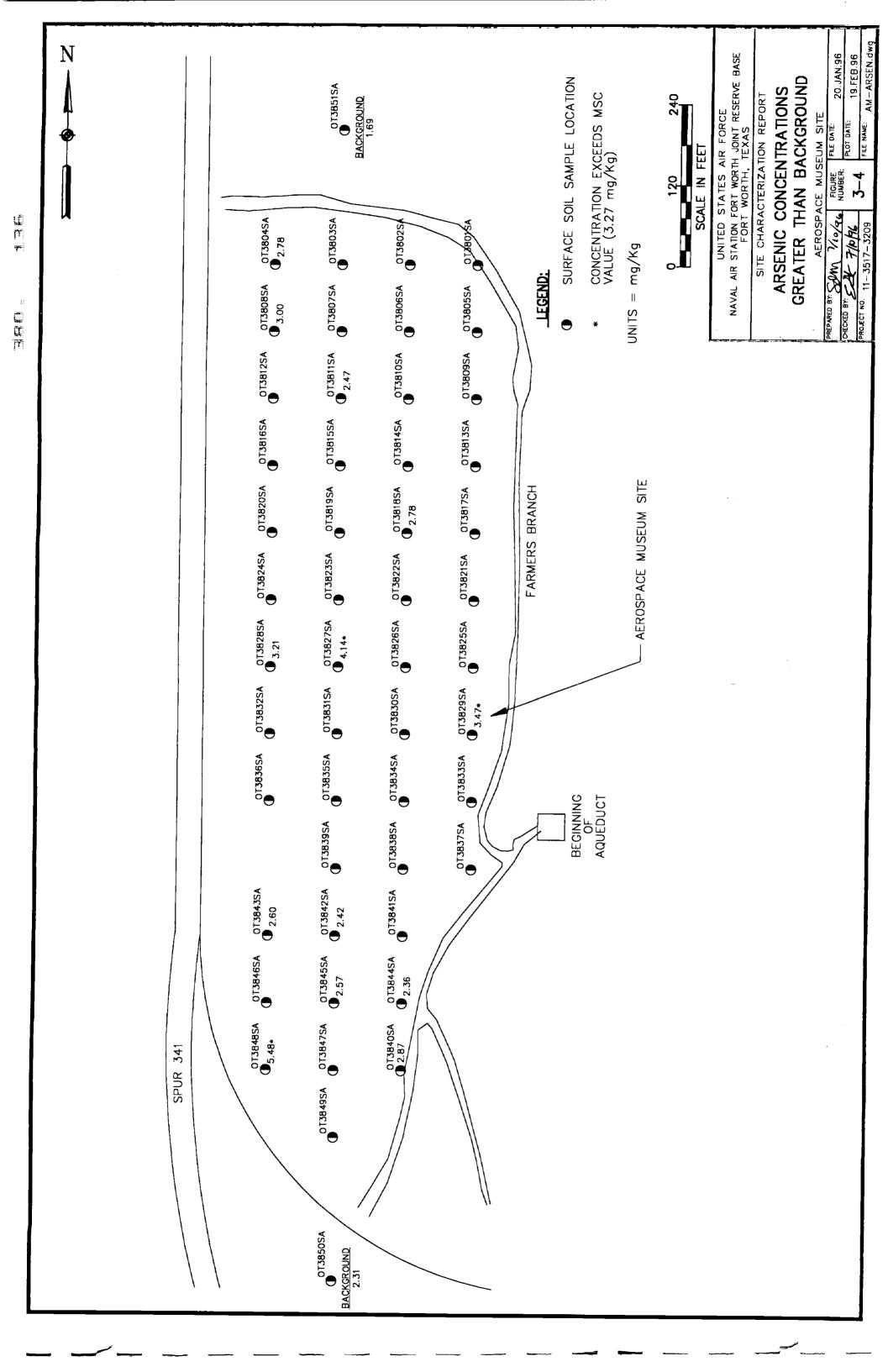
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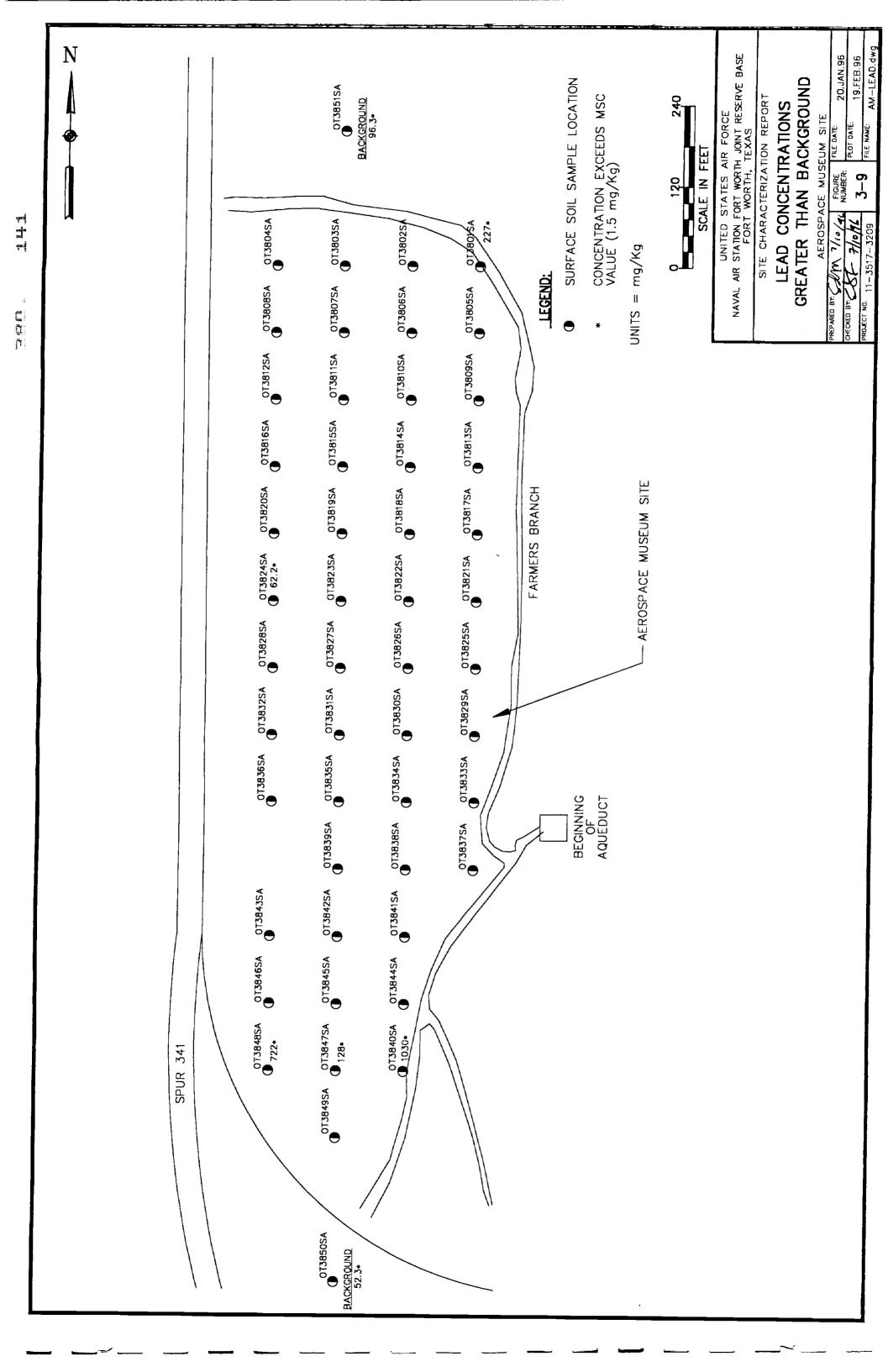
- CH2M Hill, 1984. "Installation Restoration Program Phase I Records Search for Carswell AFB, CH2M Hill," February 1984.
- LAW, 1995a. "Site Investigation/Site Characterization for Aerospace Museum Site and Grounds Maintenance Yard (Sampling and Analysis Plan) NAS Fort Worth, JRB, Carswell Field, Fort Worth, Texas, Law Environmental, Inc.," September 1995.
- LAW, 1995b. "Site Investigation/Site Characterization for Aerospace Museum Site and Grounds Maintenance Yard (Health and Safety Plan) NAS Fort Worth, JRB, Carswell Field, Fort Worth, Texas, Law Environmental, Inc.," September 1995.
- NAS Fort Worth, 1993. "Environmental Baseline Survey, Phase I Southwest Aerospace Museum, Air Force Base Conversion Agency Carswell Air Force Base," April 20, 1993.
- Radian, 1986. "Installation Restoration Program Phase II Confirmation/Quantification Stage 1, Final Report for Carswell AFB, Texas," October 1986.
- Radian, 1991. "Remedial Investigation Report for the East Area, Final Report for Carswell AFB, Texas," October 1991.
- TNRCC, 1994. "Final Risk Reduction Standards, Texas Administrative Code, Title 30, Chapter 335, Industrial Solid Waste and Municipal Hazardous Waste in General, Subchapter A, Risk Reduction Standards (TWC 335.551 335.568)," June 15, 1993.
- USACE, 1991. "Work Plan SWMU No. 64 French Underdrain System/SWMU No. 67 Building 1390 Oil/Water Separator, U.S. Army Corps of Engineers, Fort Worth District," October 7, 1991.

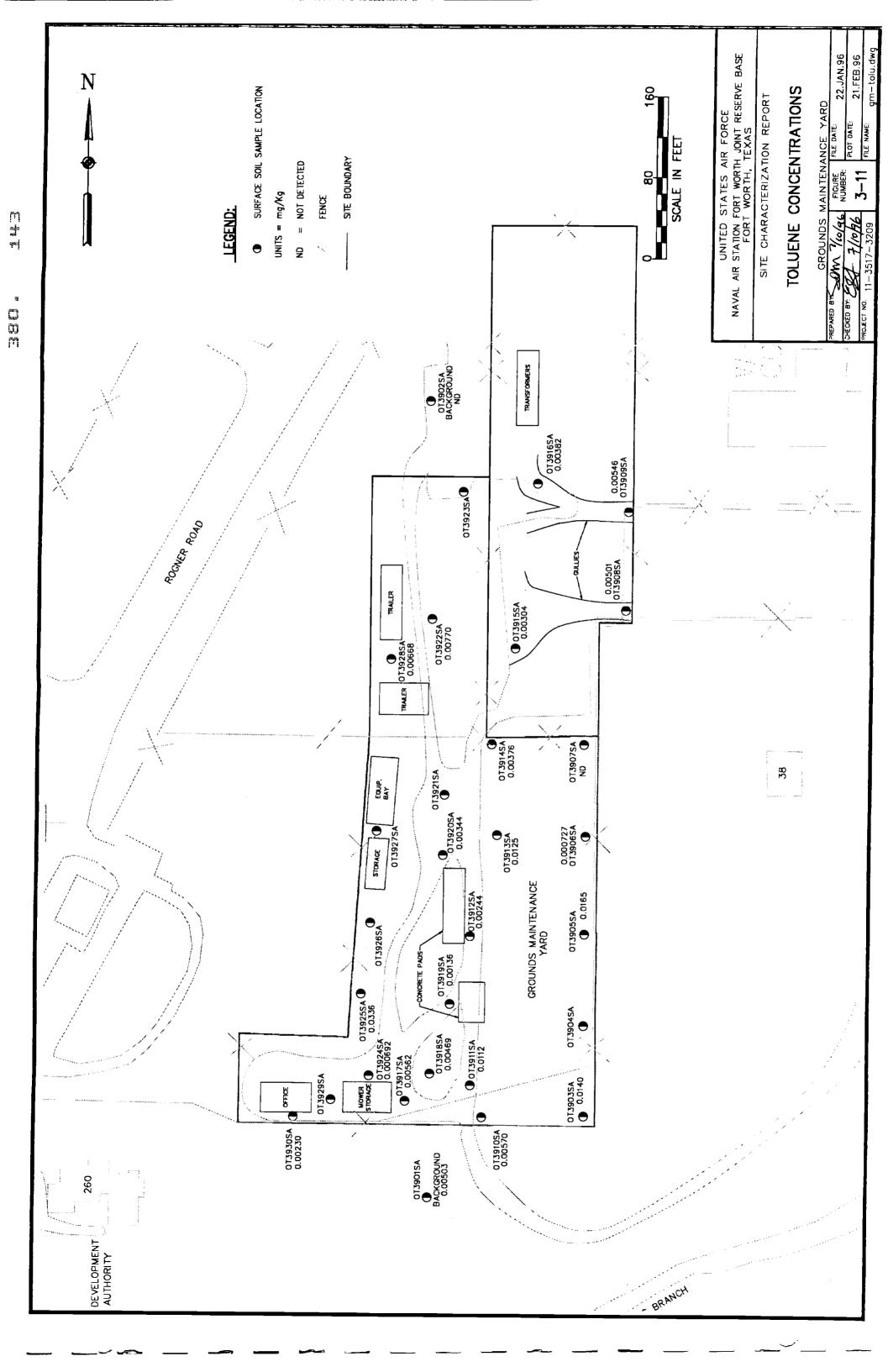
- USEPA, 1987, "Data Quality Objectives for Remedial Response Activities Development Process, EPA/540/G-87/003, United States Environmental Protection Agency (USEPA), Office of Emergency and Remedial Response and Office of Waste Programs Enforcement, Office of Solid Waste and Emergency Response, Washington, D.C.," March 1987.
- USEPA, 1988. "Laboratory Data Validation: Functional Guidelines For Evaluating Inorganics Analysis, United States Environmental Protection Agency (USEPA), Hazardous Site Evaluation Division, Washington, D.C.," July 1988.
- USEPA, 1990. "National Functional Guidelines For Organic Data Review (Draft), Multi-media Multiconcentration (OLM01.0) and Low Concentration Water (OLC01.0), United States Environmental Protection Agency (USEPA), Contract Laboratory Program, Washington, D.C., December 1990," Revised June 1991.
- USGS, 1993. "Personal communication between LAW and J. Bartelino (Project Chief, U.S. Geological Survey, Austin, Texas)," October 20, 1993.

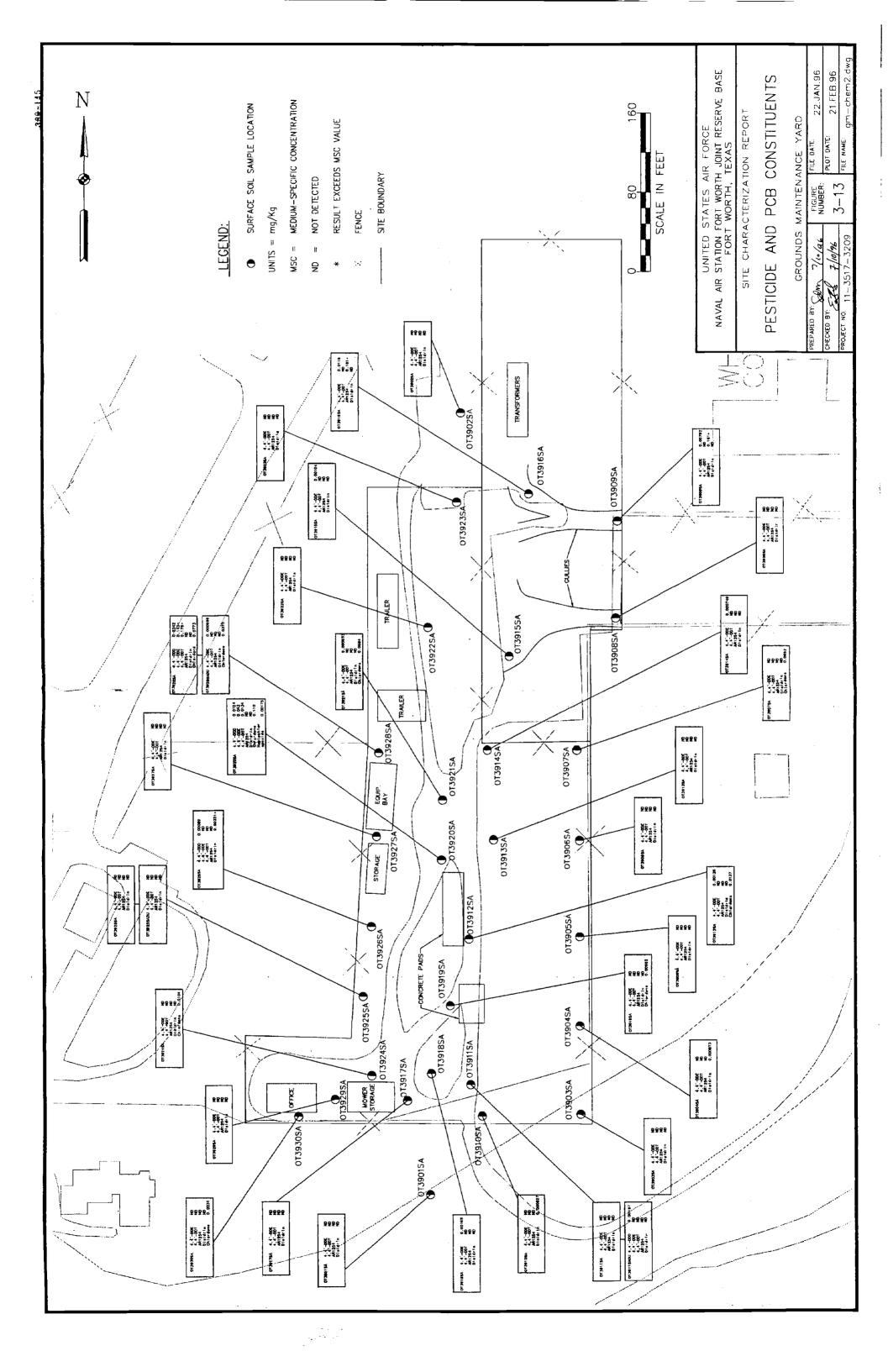
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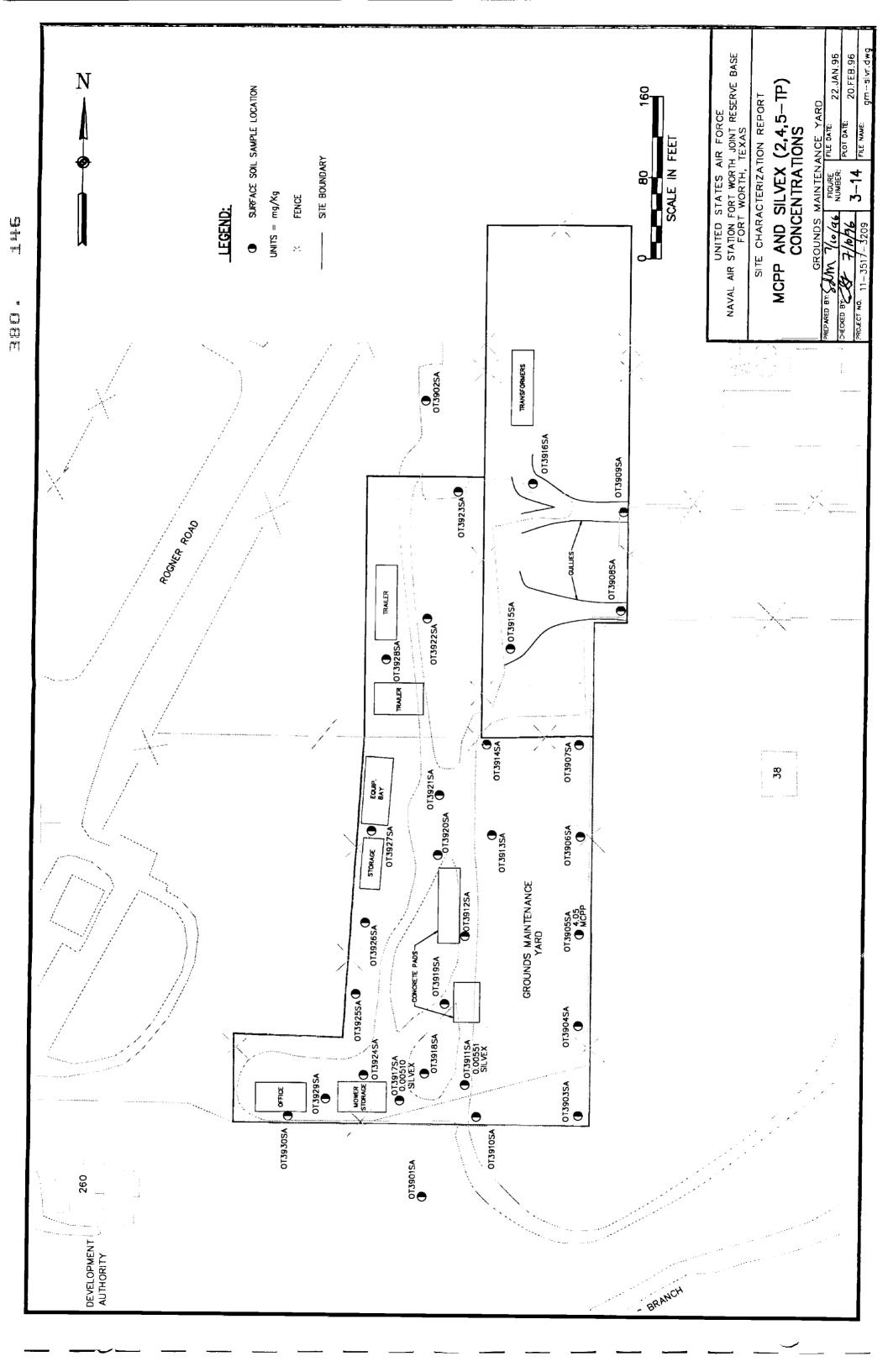
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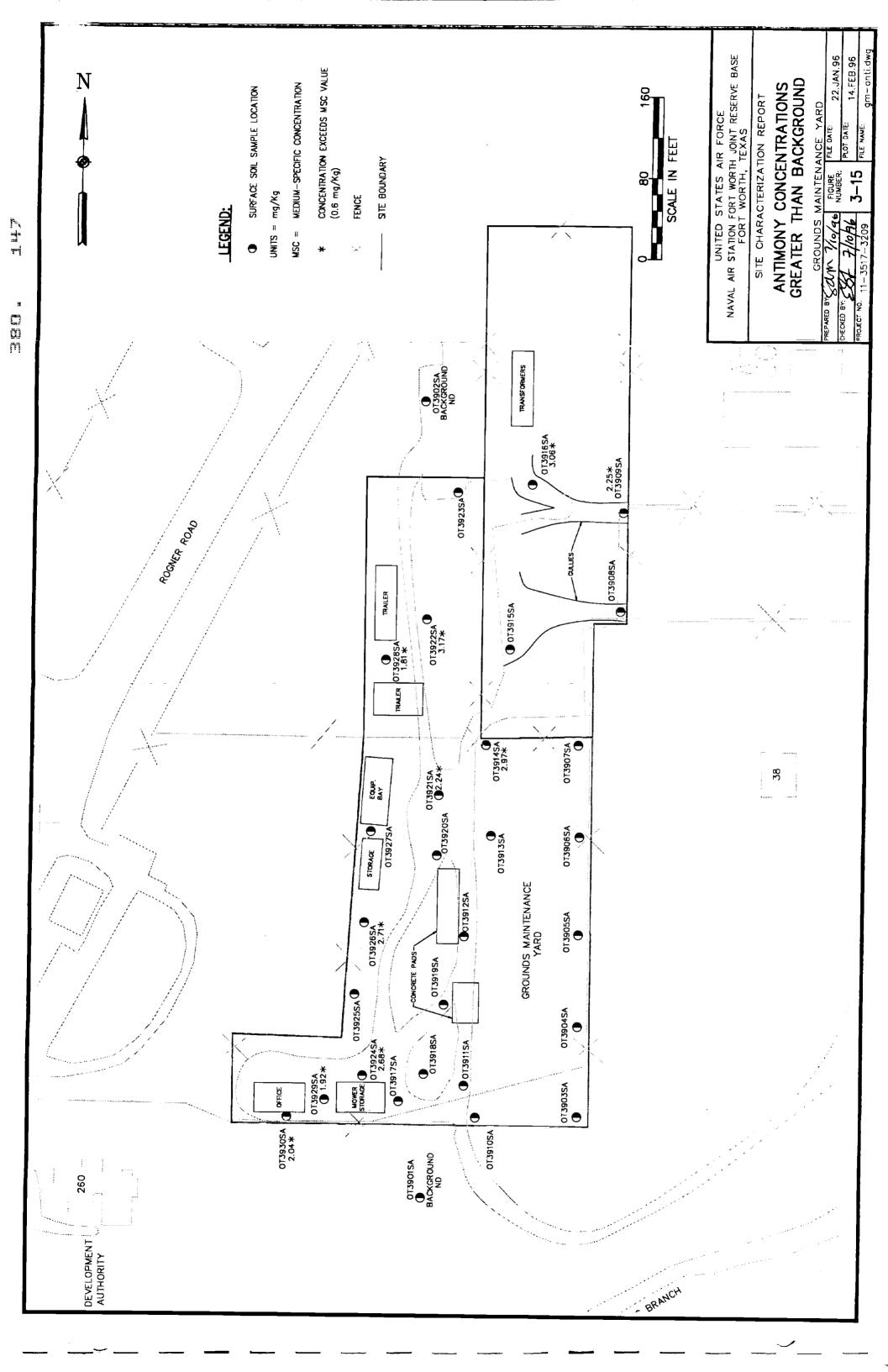


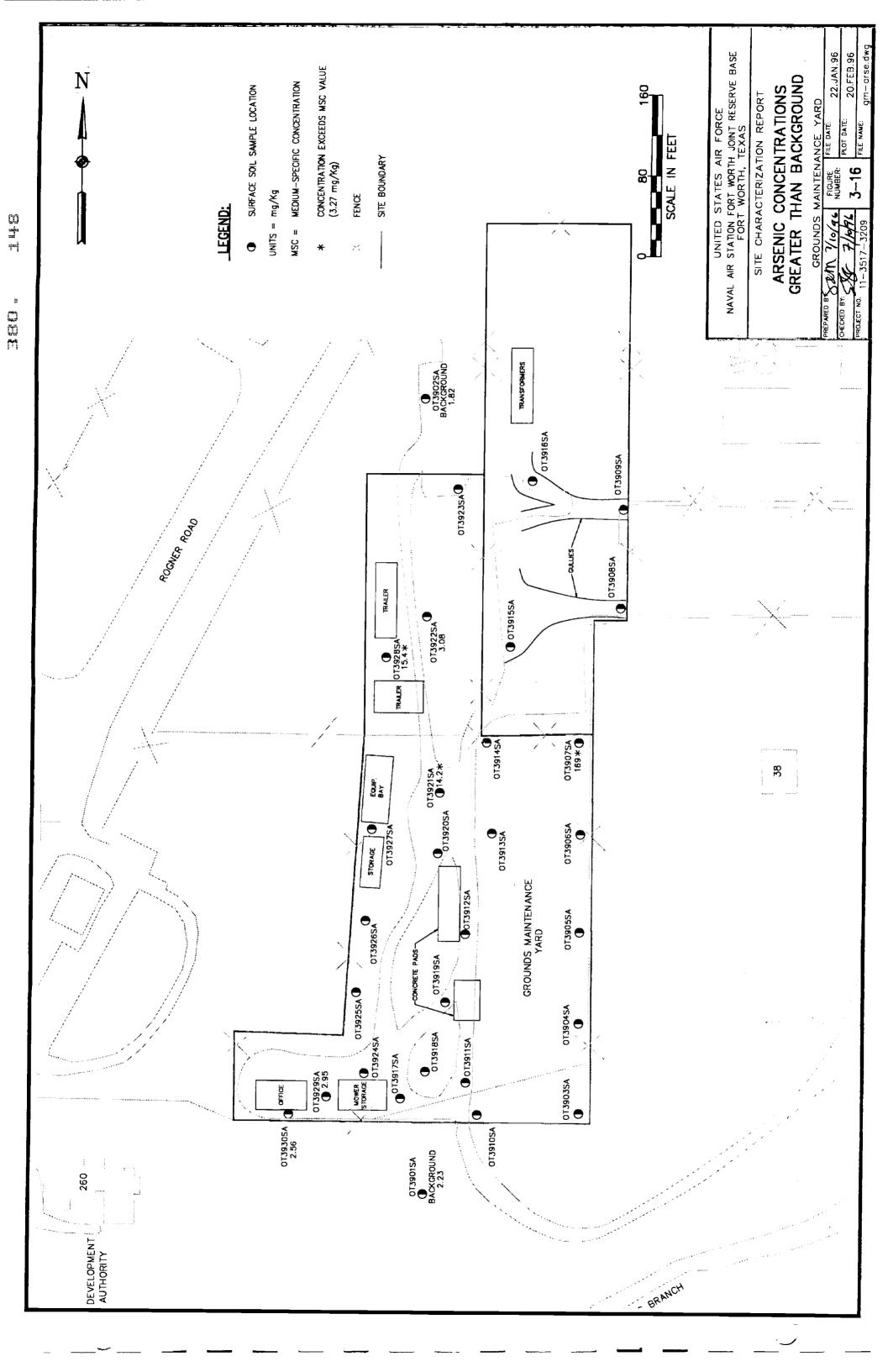


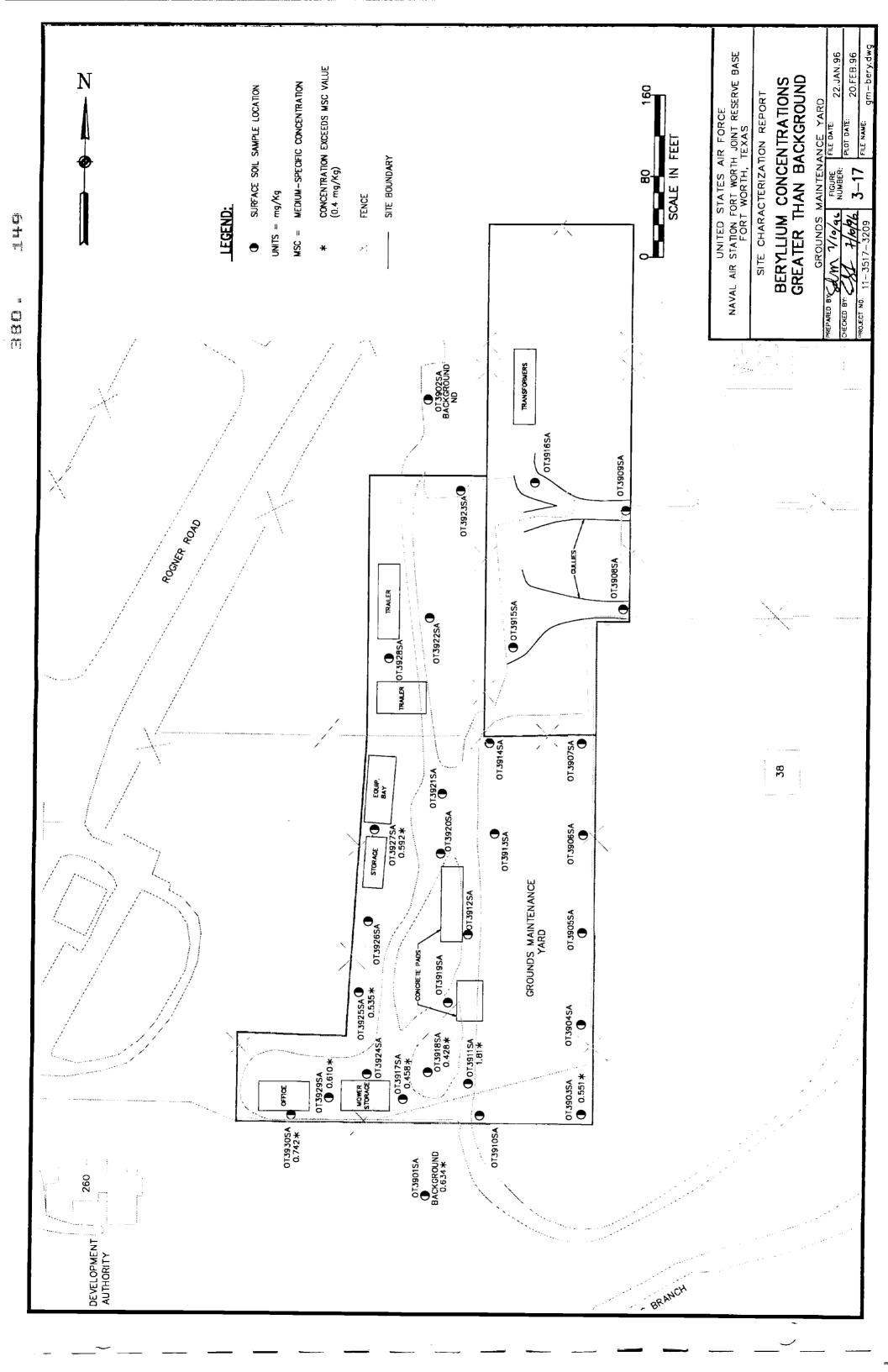


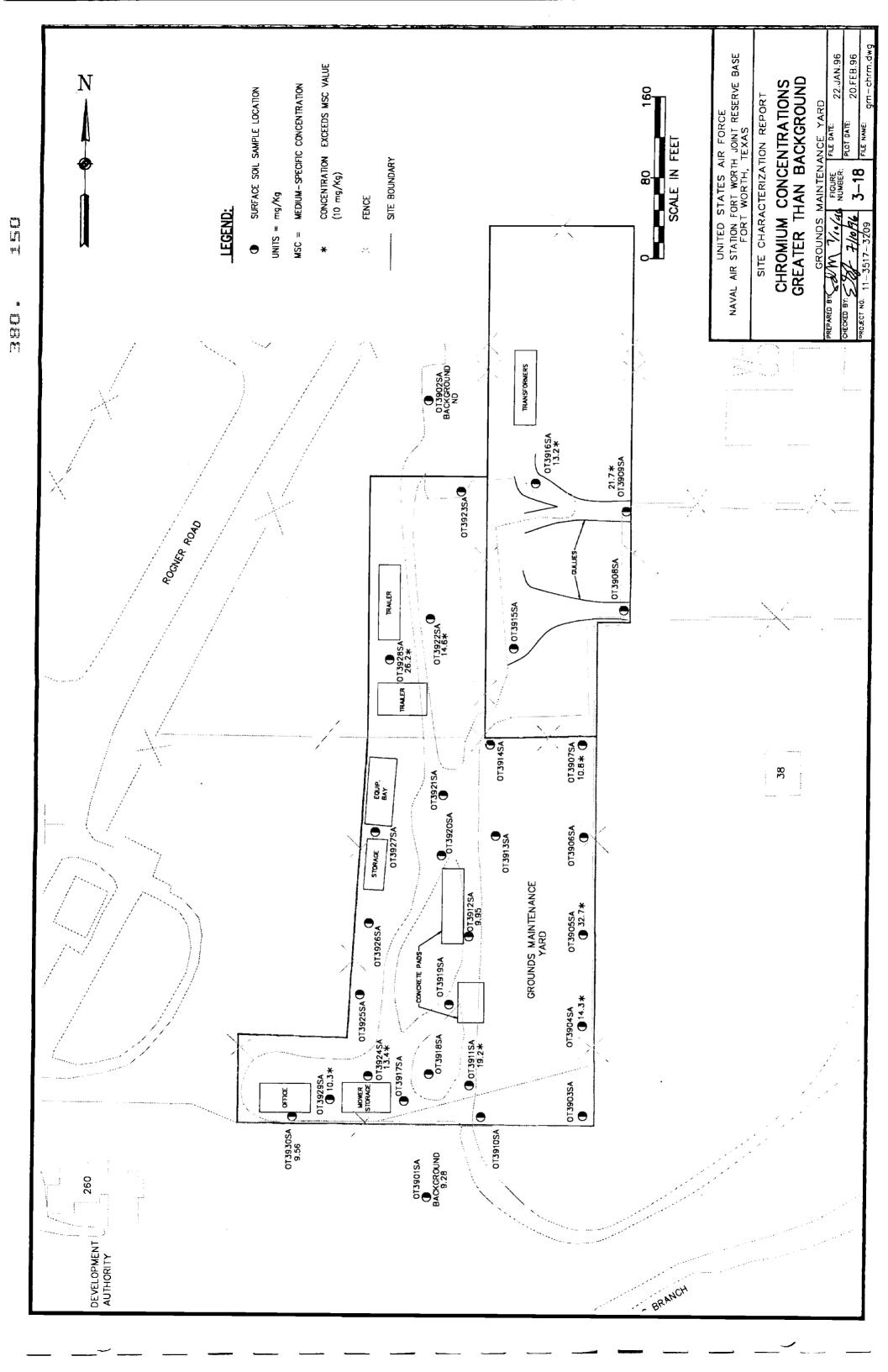


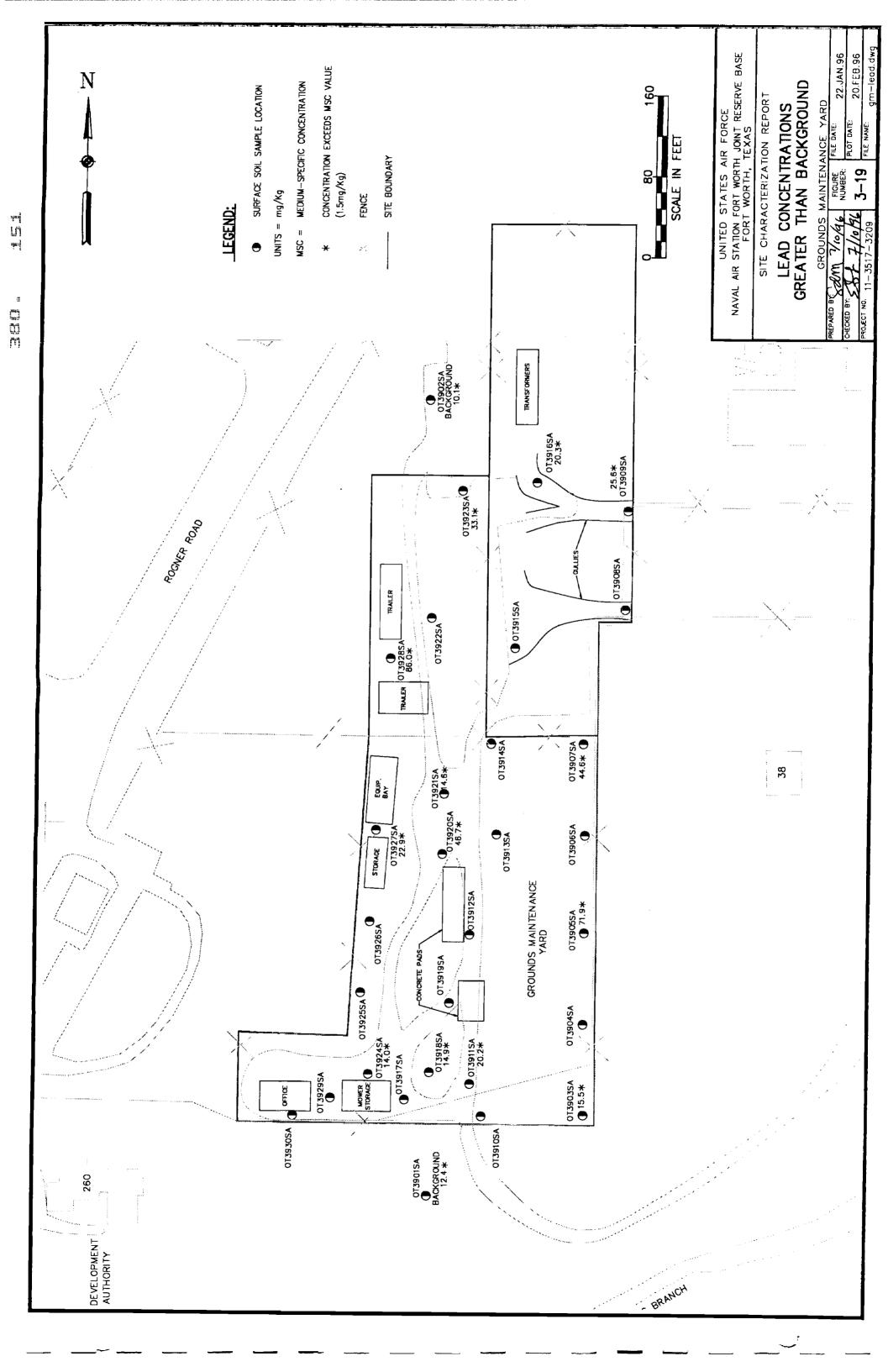


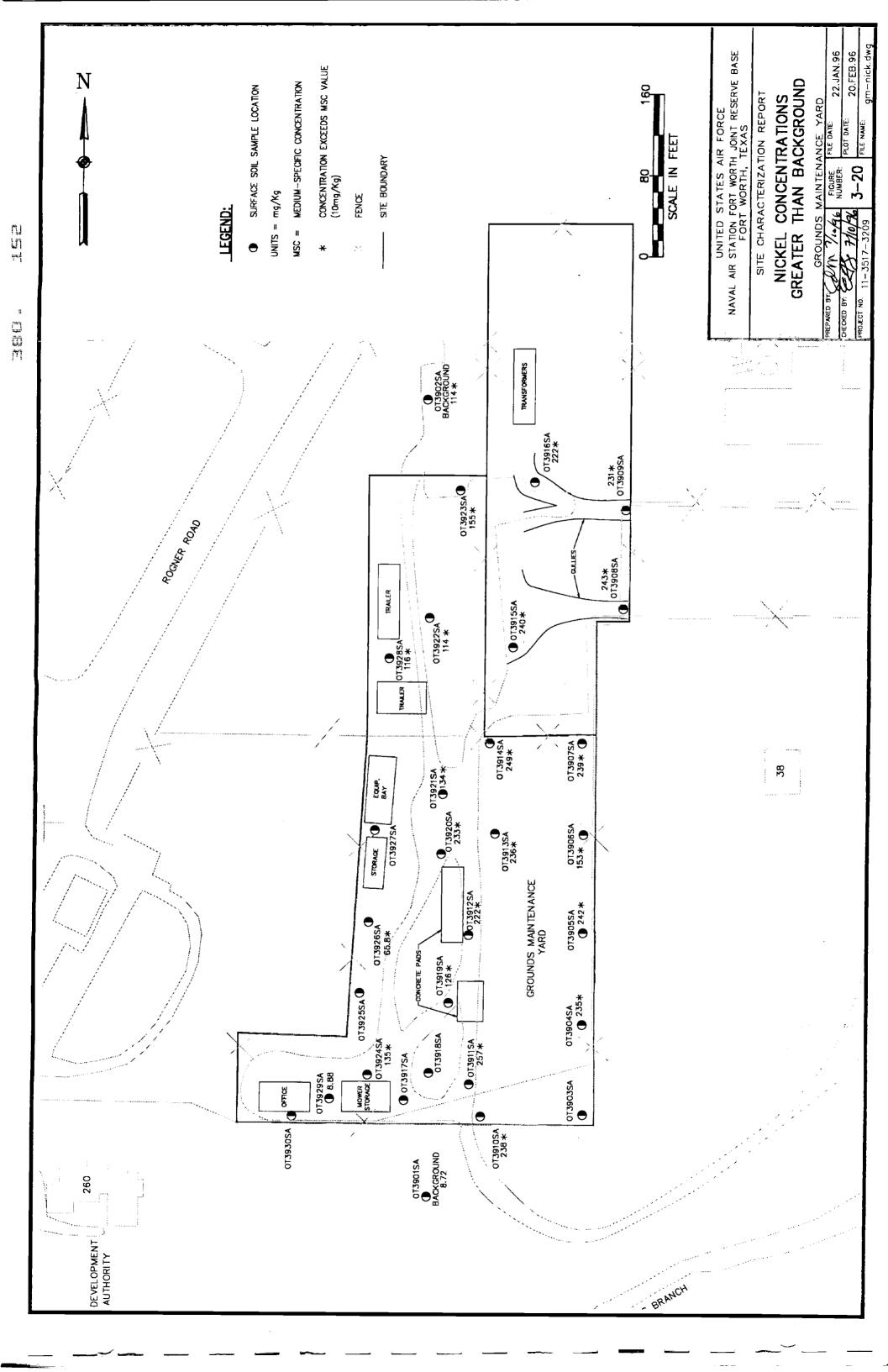












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ENVIRONMENTAL, INC.	NATIONAL LABORATORIES	7215 PINE FOREST ROAD	PENSACOLA, FLORIDA 32526	(904) 944-9772
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# CHAIN OF CUST JY RECORD

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للعبيدتما NAME OF FACILITY: STREET ADDRESS: NPDES NUMBER INFORMATION SAMPLING

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## SOURCE CODES

RCRA MONITORING WELL - MW RECOVERY WELL - RW SOIL / SEDIMENT - SO

SLUDGE - SL

HAZARDOUS WASTE - HW NPDES DISCHARGE - ND DRINKING WATER - DW SURFACE WATER - SW

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**CHAIN OF CUSTODY RECORD** 

LAW ENVIRO NATIONAL LA 7215 PINE FO PENSACOLA, (904) 944-977	

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## \*SOURCE CODES

RCRA MONITORING WELL - MW RECOVERY WELL - RW SOIL / SEDIMENT - SO SUDDE - SL

HAZARDOUS WASTE - HW NPDES DISCHARGE - ND DRINKING WATER - DW SURFACE WAT

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CHAIN OF CUST JY RECORD

SAMPLING

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SOURCE CODES

RCRA MONITORING WELL - MW RECOVERY WELL - RW SOIL / SEDIMENT - SO SLUDGE - SL

HAZARDOUS WASTE - HW NPDES DISCHARGE - ND DRINKING WATER - DW SURFACE WATER - SW NON-AQUEOUS - NA 01435

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CHAIN OF CUSTODY RECORD

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NATIONAL LABORATORIES 7215 PINE FOREST ROAD PENSACOLA, FLORIDA 32526 (904) 944-9772

LAW ENVIRONMENTAL, INC.

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**RCRA MONITORING WELL - MW** RECOVERY WELL - RW SOIL / SEDIMENT · SO SLUDGE - SL

NPDES DISCHARGE - ND DRINKING WATER - DW HAZARDOUS W

\*SOURCE CODES

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CHAIN OF CUSTODY RECORD

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NAME OF FACILITY. STREET ADDRESS:

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SOURCE CODES

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NPDES DISCHARGE - ND DRINKING WATER - DW

SOURCE CODES

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SOIL / SEDIMENT - SO

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NAME OF FACILITY. STREET ADDRESS:

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PENSACOLA, FLORIDA 32526 " ENVIRONMENTAL, INC. NATIONAL LABORATORIES 7215 PINE FOREST ROAD (904) 944-9772

# CHAIN OF CUSTANY RECORD

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NAME OF FACILITY. STREET ADORESS:

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SOIL / SEDIMENT - SO SLUDGE . SL

HAZARDOUS WASTE - HW NPDES DISCHARGE - ND DRINKING WATER - DW SURFACE WATER - SW NON-AQUEOUS - NA

SOURCE CODES

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NPDES DISCHARGE - ND DRINKING WATER . DW

\*SOURCE CODES

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SOIL / SEDIMENT - SO

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# **CHAIN OF CUSTODY RECORD**

LAW ENVIRONMENTAL, INC.

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NATIONAL LABORATORIES 7215 PINE FOREST ROAD PENSACOLA, FLORIDA 3252	7116-116 (106)

CHAIN OF CUSTANY RECORD

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SLUDGE - SL

HAZARDOUS WASTE - HW DRINKING WATER - DW SURFACE WATER - SW

NPDES DISCHARGE - ND

LAW ENVIRONMENTAL, INC.
NATIONAL LABORATORIES
7215 PINE FOREST ROAD
PENSACOLA, FLORIDA 32526
(904) 944-9772

CHAIN OF CUSTODY RECORD

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NAME OF FACILITY.
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**JEMARKS** 

\*SOURCE CODES
RW NPDES DISCHARGE - ND

RECOVERY WELL - RW RCRA MONITORING WELL - MW SOIL / SEDIMENT - SO SLUDGE - SL

DRINKING WATER - DW HAZARDOUS WASTE - HW SURFACE WATER - SW NON-AQUEOUS - NA

HAZARDOUS WASTE - HW NPDES DISCHARGE - ND DRINKING WATER - DW

\*SOURCE CODES

PINK COPY RETAINED BY SAMPLERS. YELLOW COPY RETAINED BY LABORATORY.

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**LEMARKS** 

RCRA MONITORING WELL - MW RECOVERY WELL - RW

SOIL / SEDIMENT - SO

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YSI NOM: NON SURFACE WAT

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NAME OF FACILITY

SAMPLING

PENSACOLA, FLORIDA 32526

(904) 944-9772

"/ ENVIRONMENTAL, INC.

NATIONAL LABORATORIES 7215 PINE FOREST ROAD

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7 REMARKS

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### NPDES DISCHARGE - ND SOURCE CODES

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(SIGNATURE)

**HCRA MONITORING WELL - MW** RECOVERY WELL - RW SOIL / SEDIMENT - SO SLUDGE - SL

HAZARDOUS WASTE - HW DRINKING WATER - DW SURFACE WATER - SW

med 17

## TAB

Appendix B

### APPENDIX B

### MS/MSD RESULTS

- B-1 AEROSPACE MUSEUM SITE
- B-2 GROUNDS MAINTENANCE YARD

### APPENDIX B-1

### AEROSPACE MUSEUM SITE

Sample Identification

OT3815SA MS OT3815SA MSD	OT3840SA MS OT3840SA MSD
OT3820SA MS	OT3850SA MS
OT3820SA MSD	OT3850SA MSD
OT3822SA MS	FDUP-04 MS
OT3822SA MSD	FDUP-04 MSD
OT3830SA MS	
OT3830SA MSD	

3 - 6010

### METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 55C81067

Matrix Spike - Lab ID No.: OT3815SA/AA81074

Level: (low/med) LOW

OT3815SAMS/AA81075	SPIKE SAMPLE MS		***-	MS		QC		
COMPOUND	ADDED		CONCENTRATION	%		LIMITS REC.		
	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	#			) <u>.                                    </u>
Aluminum								
Antimony	41.5	0.00	4.97	12	*	75	-	125
Barium	166	139	269	79		75	-	125
Beryllium	4.15	0.00	4.15	100		75	-	125
Cadmium	4.15	0.00	1.66	40	*	75	•	125
Calcium								
Chromium	16.6	19.7	33.2	81		75	-	125
Cobalt	41.5	4.12	44.8	98		<b>75</b>	-	125
Copper	20.7	11.2	25.7	70	•	75	-	125
Iron								
Magnesium								
Manganese	41.5	631	466	(397)	*	<b>75</b>		125
Molybdenum	41.5	0.00	34.3	83		<b>75</b>	-	125
Nickel	41.5	229	261	78		75	-	125
Potassium								
Silver	8.29	0.00	8.54	103		75	-	125
Sodium								
Thallium	166	0.00	160	97		75	•	125
Vanadium	41.5	23.7	57.2	81		75	-	125
Zinc	41.5	79.5	122	102		75	-	125

Spike Recovery: 4 out of 20 outside limits.

The following analytes are not included in the iCP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

3 - 5010

### METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 55C81067

Matrix Spike - Lab ID No.: OT3815SA/AA81074

Level: (low/med) LOW

OT3815SAMSD/AA81076 COMPOUND	SPIKE	MSD CONCENTRATION (mg/Kg)	MSD	•		<u>ac</u>			
	ADDED (mg/Kg)		% REC.	%			LIMITS		
				#	RPD	# RPD	REC.		
Aluminum									
Antimony	40.7	5.29	13	•	8	20	75 - 125		
Barium	163	268	79		1	20	75 - 125		
Beryllium	4.07	4.07	100		0	20	75 - 125		
Cadmium	4.07	1.95	48	*	18	20	75 - 125		
Calcium									
Chromium	16.3	26.0	39	*	70	* 20	75 - 125		
Cobalt	40.7	43.5	97		1	20	75 - 125		
Copper	20.4	27.7	81		15	20	75 - 125		
iron									
Magnesium									
Manganese	40.7	462	(415)	•	(4)	20	75		
Molybdenum	40.7	35.1	86		4	20	75 - 125		
Nickel	40.7	256	67	•	15	20	75 - 125		
Potassium									
Silver	8.1	8.47	104		1	20	75 - 125		
Sodium									
Thallium	163	154	95		2	20	75 - 125		
Vanadium	40.7	56.7	81		0	20	75 - 125		
Zinc	40.7	118	94		8	20	75 - 125		

Spike Recovery: 5 out of 20 outside limits.

RPD: 1 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium Calcium Potassium Iron Sodium

ism3094

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

<sup>\*</sup> Values outside of QC limits.

3 - 6010

### METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 54C81047

Matrix Spike - Lab ID No.: OT3820SA/AA81058

Level: (low/med) LOW

OT3820SAMS/AA81059	SPIKE	SAMPLE	MS	MS	_		QC	
	ADDED	CONCENTRATION				_	IMI	
COMPOUND	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC	#		1EC	). 
Aluminum								
Antimony	38.9	1.95	5.44	9	٠	75	-	125
Barium	155	119	267	95		75	-	125
Beryllium	3.89	0.799	4.58	97		75		125
Cadmium	3.89	0.00	1.48	38	•	75	-	125
Calcium								
Chromium	15.5	13.9	27.0	85		75	-	125
Cobalt	38.9	4.35	42.1	97		75	-	125
Copper	19.4	8.61	26.0	90		75	_	125
ron								
/lagnesium								
Aanganese	38.9	329	349	51	٠	75	-	125
/iolybdenum	38.9	1.60	27.5	67	•	75		125
licke!	38.9	9.15	45.8	94		75	-	125
otassium								
Silver	7.77	0.00	7.69	99		75	-	125
Sodium								-
hallium	155	0.00	148	95		75		125
anadium	38.9	21.8	56.5	89		75		125
inc	38.9	27.8	64.5	94		75		125

Spike Recovery: 4 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

#### 3 - 6010

# METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 54C81047

Matrix Spike - Lab ID No.: OT3820SA/AA81058

Level: (low/med) LOW

OT3820SAMSD/AA81059	SPIKE	MSD	MSD				QC
	ADDED	CONCENTRATION	%		%		LIMITS
COMPOUND	(mg/Kg)	(mg/Kg)	REC.	#	RPD	# RPD	REC.
Aluminum							
Antimony	43.0	8.07	14	•	45	* 20	75 - 125
Barium	172	274	90		6	20	75 - 125
Beryllium	4.30	4.81	93		4	20	75 - 125
Cadmium	4.30	1.46	34	•	11	20	75 · 125
Çalcium							
Chromium	17.2	29.4	90		6	20	75 - 125
Cobalt	43.0	44.2	93		5	20	75 - 125
Copper	21.5	<b>2</b> 7.0	<b>8</b> 5		5	20	75 - 125
Iron							
Magnesium							
Manganese	43.0	362	78		41	• 20	75 - 1
Molybdenum	43.0	31.7	70	•	5	20	75 - 1
Nickel	<b>43</b> .0	47.8	90		5	20	75 - 125
Potassium							
Silver	8.6	8.16	95		4	20	75 - 125
Sodium							
Thallium	172	158	92		3	20	75 - 125
Vanadium	43.0	59.4	88		2	20	75 · 125
Zinc	43.0	71.6	102		8	20	75 - 125

Spike Recovery: 3 out of 20 outside limits.

RPD: 2 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

ism3093B

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

<sup>\*</sup> Values outside of QC limits.

#### METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 53C81027

Matrix Spike - Lab ID No.: OT3822SA/AA81027

Level: (low/med) Low

OT3822SAMS/AA83096	SPIKE	SAMPLE	MS CONCENTRATION	MS %			DC MI	
COMPOUND	ADDED (mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	#		IEC	
	(Ing/Rg)	(119/119)	(11/9)/149/		-			
Aluminum								
Antimony	45.1	0.00	6.94	15	*	75	-	125
<b>Barium</b>	180	148	316	93		75	•	125
Beryllium	4.51	0.964	5.23	95		75	•	125
Cadmium	4.51	0.00	2.43	54	•	75	-	125
Calcium								
Chromium	18.0	22.1	34.1	67	•	<b>75</b>	-	125
Cobalt	45.1	5.69	49.9	98		<b>75</b>	•	125
Copper	22.5	13.2	34.4	94		75		125
Iron		•						
Magnesium								
Manganese	45.1	678	<b>82</b> 5	327	•	75	•	125
Molybdenum	45.1	2.19	31.2	64	•	75	•	125
Nickel	45.1	12.4	55.9	96		75	-	125
Potassium								
Silver	9.01	0.613	9.01	93		75	-	125
Sodium								
Thallium	180	0.00	175	97		75	-	125
Vanadium	45.1	18.8	63.3	99		75	•	125
Zinc	45.1	35.0	66.8	70	*	75	-	125

Spike Recovery: 6 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

3 - 6010

# METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 53C81027

Matrix Spike - Lab ID No.: OT3822SA/AA81027

Level: (low/med) Low

OT3822SAMSD/AA83097	SPIKE	MSD	MSD		-				)C		
COMPOUND	ADDED	CONCENTRATION	<b>%</b>		% DDD		RPD	LIN			
COMPOUND	(mg/Kg)	(mg/Kg)	REC.	#	HPD		HPU _	H	EC		<b>-</b> _
Aluminum											
Antimony	46.1	5.25	11	*	30	•	20	75	-	125	j
Barium	184	327	97		4		20	75	-	125	, <u> </u>
Beryllium	4.61	5.62	101		7		20	75	-	125	)
Cadmium	4.61	2.49	54	*	0		20	75	-	125	)
Calcium											_
Chromium	18.4	39.2	93		33	•	20	75	-	125	
Cobalt	46.1	52.7	102		4		20	75		125	
Copper	23.0	36.1	98		5		20	75	-	125	
Iron											_
Magnesium											
Manganese	46.1	742	140	•	80	•	20	75	_		
Molybdenum	46.1	29.5	59	•	В		20	75		سعة	~
Nickel	46.1	60.4	104		6		20			125	
Potassium											
Silver	9.2	9.49	96		3		20	75	-	125	-
Sodium											
Thallium	184	187	102		5		20	75		125	
Vanadium	46.1	64.8	100		1		20	75	_	125	
Zinc	45.1	77.5	92		27	•	20	75	_		

Spike Recovery: 4 out of 20 outside limits.

RPD: 4 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium Calcium Potassium Iron Sodium

ism3083

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

<sup>\*</sup> Values outside of QC limits.

3 - 6010

# METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 54C81047

Matrix Spike - Lab ID No.: OT3830SA/AA81047

Level: (low/med) LOW

OT3830SAMS/AA81048	SPIKE	SAMPLE	MS	MS			QC	
	ADDED	CONCENTRATION	CONCENTRATION	%		L	IMI	TS
COMPOUND	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC	#	,	REC	<u>.                                    </u>
Aluminum								
Antimony	44.6	0.00	5.44	12	•	75	-	125
Barium	178	107	278	96		75	-	125
Beryllium	4.45	0.793	4.90	92		75		125
Cadmium	4.45	0.00	1.78	40	•	75	-	125
Calcium								
Chromium	17.8	13.0	28.9	89		75		125
Cobalt	44.6	3.52	45.0	93		75	-	125
Copper	22.3	9.16	28.9	88		75	-	125
ron								
Magnesium								
Manganese	44.6	296	341	101		75		125
Molybdenum	44.6	1.32	31.6	68	*	75	-	125
Nickel .	44.6	9.34	49.1	89		75	-	125
Potassium								
Silver	8.91	0.00	8.82	99		75	-	125
Sodium						_		
Thallium	178	0.00	166	93		75	-	125
/anadium	44.6	17.1	56.8	89		75		125
Zinc	44.6	24.0	63.0	88		75	_	125

Spike Recovery: 3 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

3 - 6010

# METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 54C81047

Matrix Spike - Lab ID No.: OT3830SA/AA81047

Level: (low/med) LOW

OT3830SAMSD/AA81049	SPIKÉ ADDED	MSD CONCENTRATION	MSD %		%			C LIN	C AIT	2	•
COMPOUND	(mg/Kg)	(mg/Kg)	REC.	#		#	RPD		EC		
Aluminum											
Antimony	43.6	5.49	13	•	3		20	75		125	
Barium	174	260	88		9		20	75	-	125	-
Beryllium	4.36	4.53	86		7		20	75	-	125	
Cadmium	4.36	1.39	32	•	22	*	20	75		125	
Calcium											_
Chromium	17.4	<b>28</b> .2	87		2		20	75	-	125	
Cobalt	43.6	41.5	87		6		20	75		125	
Copper	21.8	27.0	82		8		20	75		125	_
Iron											
Magnesium											
Manganese	43.6	325	68	•	39	•	20	75		1	
Molybdenum	43.6	27.6	60	•	12		20		-	125	
Nickel	43.6	46.3	85		5		20			125	
Potassium											
Silver	8.7	8.19	94		5		20	75	_	125	_
Sodium								-			
Thallium	174	157	90		3		20	75	_	125	
Vanadium	43.6	52.1	80		10		20			125	_
Zinc	43.6	62.5	89		1		20			125	_

Spike Recovery: 4 out of 20 outside limits.

RPD: 2 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

ism3093

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

<sup>\*</sup> Values outside of QC limits.

3 - 6010

#### METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 52C81007

Matrix Spike - Lab ID No.: OT3840SA/AA81021

Level: (low/med) LOW

OT3840SAMS/AA81022	SPIKE	SAMPLE	MS	MS		-	ac	
	ADDED	CONCENTRATION	CONCENTRATION	%		L	Mľ	ΓS
COMPOUND	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	#	F	ŧΕC	<u>),                                    </u>
Aluminum					÷			
Antimony	41.2	1. <b>98</b>	5.77	9	*	75	-	125
Barium	165	74.1	272	120		75	-	125
Beryllium	4.12	0.00	6.58	160	•	75	-	125
Cadmium	4.12	0.00	1.98	48	*	75	-	125
Calcium								
Chromium	16.5	14.8	33.7	115		75	-	125
Cobalt	41.2	2.14	44.3	102		75		125
Copper	20.6	14.8	37.0	108		75	-	125
Iron								
Magnesium								
Manganese	41.2	476	501	62	•	75		125
Molybdenum	41.2	4.03	33.2	71	*	75		125
Nickel	41.2	222	268	110		75		125
Potassium								
Silver	8.23	0.00	8.81	107		75	-	125
Sodium								
Thailium	165	0.00	156	95		75	-	125
Vanadium	41.2	10.4	53.6	105		75	-	125
Zinc	41.2	106	154	117		75		125

Spike Recovery: 5 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

3 - 6010

### METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 52C81007

Matrix Spike - Lab ID No.: OT3840SA/AA81021

Level: (low/med) LOW

OT3840SAMSD/AA81023	SPIKE ADDED	MSD CONCENTRATION	MSD %		 %			LIN	C AIT	 s
COMPOUND	(mg/Kg)	(mg/Kg)	REC.	#	RPD	#	RPD		C.	
Aluminum										
Antimony	47.4	5.87	8	•	11		20	75	•	125
Barium	189	255	95		23	*	20	75	-	125
Beryllium	4.74	6.02	127	•	23	*	20	75	-	125
Cadmium	4.74	1.58	33	*	36	*	20	75	-	125
Calcium										
Chromium	18.9	34.6	105		9		20	75	_	125
Cobalt	47.4	40.4	81		24	٠	20	75	-	125
Copper	23.7	33.9	81		29	*	20	75	_	125
Iron										
Magnesium										
Manganese	47.4	504	59	•	5		20	75		125
Molybdenum	47.4	28.5	52	•	32	٠	20	75	-	125
Nickel	47.4	240	37	•	100	٠	20	75	-	125
Potassium										
Silver	9.5	7.68	81		28	*	20	75	-	125
Sodium										
Thallium	189	138	73	*	26	•	20	75	-	125
Vanadium	47.4	52.1	88		17		20	75	_	125
Zinc	47.4	139	69	•	51	•	20	75		125

Spike Recovery: 8 out of 20 outside limits.

RPD: 10 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium Calcium Potassium

Iron Sodium

ism30B2A

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

Values outside of QC limits.

3 - 6010

### METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 54C81047

Matrix Spike - Lab ID No.: OT3850SA/AA81053

Level: (low/med) LOW

OT3850SAMS/AA81054	SPIKE	SAMPLE	MS	MS			<b>Q</b> C	
	ADDED	CONCENTRATION	CONCENTRATION	%		L	iМГ	TS
COMPOUND	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC	. #	F	1EC	).
Aluminum								
Antimony	42.9	1.99	7.21	12	٠	75	-	125
Barium	172	<b>57</b> .2	249	112		75		125
Beryllium	4.29	0.00	4.29	100		75	-	125
Cadmium	4.29	0.00	1.89	44	•	75	-	125
Calcium		•						
Chromium	17.2	0.00	19.7	115		75		125
Cobalt	42.9	2.17	42.0	93		75	-	125
Copper	21.5	6.07	25.7	92		75	-	125
ron								
Magnesium								
Manganese	42.9	346	406	140	•	75	-	125
Molybdenum	42.9	1.91	33.8	74	٠	75	-	125
Nickel	42.9	230	266	84		75	-	125
Potassium								
Silver	8.58	0.00	8.41	98		75	-	125
Sodium								
hallium	172	0.00	161	94		75		125
/anadium	42.9	14.5	52.9	90		75		125
Zinc	42.9	110	155	105		75		125

Spike Recovery: 4 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

### METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 54C81047

Matrix Spike - Lab ID No.: OT3850SA/AA81053

Level: (low/med) LOW

188

OT3850SAMSD/AA81055 COMPOUND	SPIKE ADDED	MSD CONCENTRATION (mg/Kg)	MSD % REC.	*	% RPD	# RPD	QC LIMIT REC	rs	, -
COMPOUND	(mg/Kg)	(mg/ng)	NEO.		1110	# 111 U	7120		٠
Aluminum									
Antimony	41.3	7.35	13	•	7	20	75 -	125	
Barium	165	259	122		9	20	<b>7</b> 5 -	125	-
Beryllium	4.13	4.13	100		0	20	<b>7</b> 5 ·	125	
Cadmium	4.13	1.82	44	•	0	20	75 -	125	
Calcium									_
Chromium	16.5	20.6	125		8	20	75 ·	125	
Cobalt	41.3	42.0	97		4	20	75 -	125	
Copper	20.7	28.9	111		19	20	75 -	125	
Iron									٠
Magnesium									
Manganese	41.3	481	326	•	80	* 20	75 -	1.1	
Molybdenum	41.3	34.1	78		5	20	75 -	125-	
Nickel	41.3	259	69	•	19	20	75 -	125	
Potassium									
Silver	8.3	8.51	103		5	20	75 -	125	
Sodium									
Thallium	165	158	95		2	20	75 -	125	
Vanadium	41.3	51.9	91		1	20		125	
Zinc	41.3	151	100		5	20		125	•

Spike Recovery: 4 out of 20 outside limits.

RPD: 1 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium

Calcium Potassium

Iron Sodium

ism3093A

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

<sup>\*</sup> Values outside of QC limits.

MSD: SW7421

MS Sample Name: OT3913SAMS

MSD Sample Name: OT3913SAMSD

initial

MS LIMS ID: AA81014

MSD LIMS ID: AA81015

Extraction: SW3050

MS Extraction: 11/8/95

MSD Extraction: 11/8/95

Matrix : SO Units : mo/Kg MS Extraction: 08:00 MS Analysis: 12/1/95 MSD Extraction: 08:00 MSD Analysis: 12/1/95

Neat Sample : AA81013

MS Analysis: 12:19

MSD Analysis: 12:24

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	٠	LCL	UCL	RP D CL	RC
Lead	6.66	4.409	11.7	114		4.664	12	114		0		75	125	20	PR

MSD:

SW7740

MS Sample Name: OT3913SAMS

MSD Sample Name: OT3913SAMSD

initial Extraction : SW3050

MS LIMS ID: AA81014

MSD LIMS ID: AA81015

EXURCION . STIDOSO

MS Extraction: 11/8/95

MSD Extraction: 11/8/95

Matrix: SO

MS Extraction: 08:00 MS Analysis: 11/27/95 MSD Extraction: 08:00 MSD Analysis; 11/27/95

Units : mg/Kg Neat Sample : AA81013

MS Analysis : 20:20

MSD Analysis: 20:25

Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	유머디	RC
Selenium	0	4.409	1.03	23	٦	4.664	1.29	28	•	17		75	125	20	PR

MSD:

SW7060

MS Sample Name: OT3840SAMS

MSD Sample Name: OT3840SAMSD

initial

LIMI

MS LIMS ID : AA81022

MSD LIMS ID : AA81023

Extraction: SW3050

MS Extraction: 11/8/95

MSD Extraction: 11/8/95

Matrix : SO

MS Extraction : 08:00

MSD Extraction: 08:00

Units: mg/Kg

MS Analysis: 11/28/95

MSD Analysis: 11/28/95

Neat Sample: AA81021

MS Analysis: 05:15

MSD Analysis: 05:20

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D C	RC
Arsenic	2.87	4.241	5.92	72	•	4.163	5.83	71	•	1		75	125	20	PR

MSD: SW7421

MS Sample Name: OT3840SAMS

MSD Sample Name: OT3840SAMSD

initial

.. -....

MS LIMS ID : AA81022

MSD LIMS ID : AA81023

Extraction : SW3050

MS Extraction: 11/8/95

MSD Extraction: 11/8/95

Matrix : SO

MS EXPECTION . 11/0/95

M2D EXPRESSION: 11/6/83

WELLE . 00

MS Extraction: 08:00

MSD Extraction: 08:00

Units: mg/Kg

MS Analysis: 12/1/95

MSD Analysis: 12/1/95

Nest Sample : AA81021

MS Analysis: 01:30

MSD Analysis: 01:42

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	ÜCL	CL	RC
Lead	1,030	4.241	0	430	Ŀ	4.163	0	2470	Ŀ	2		75	125	20	PR

MSD: SW7740

MS Sample Name: OT3840SAMS

MSD Sample Name: OT3840SAMSD

initial

MS LIMS ID : AA81022

MSD LIMS ID: AA81023

Extraction: SW3050

MS Extraction: 11/8/95

MSD Extraction: 11/8/95

Matrix: SO

MS Extraction: 08:00

MSD Extraction: 08:00

Units: mg/Kg

MS Analysis: 11/28/95

MSD Analysis: 11/28/95

Neat Sample: AA81021

MS Analysis: 13:23

MSD Analysis: 13:58

	Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
Sele	nium	0	4.241	0.717	17	•	4.163	1.09	26	Ŀ	43	•	75	125	20	PR

LCS :

SW7060

Sample Name: FSL3064

initial

Extraction Method: SW3050

LIMS Sample ID: AA81462

Matrix: SQ

Date of Extraction: 11/8/95

Units: mg/Kg

Time of Extraction: 08:00

Date of Analysis: 11/28/95

Time of Analysis: 00:12

Analyte	LCS Spike	LCS Conc.	LCS %	•	<b>LCL</b>	UCL	RC
Arsenic	5	4.82	96		80	120	PR

LCS :

SW7421

Sample Name: FSL3084

initial

Extraction Method: SW3050

LBAS Sample ID: AA81462

Matrix: SQ

Date of Extraction: 11/8/95

Time of Extraction: 08:00 Date of Analysis: 11/30/95

Units: mg/Kg

Time of Analysis: 18:06

Analyte	LCS Spike	LCS Conc.	LCS %	•	LCL	UÇL	RC
Lead	5	5.15	103		80	120	PR

LCS :

SW7740

Sample Name: FSL3084

initial

Extraction Method: SW3050

LIMS Sample ID: AA81462

Matrix: SQ

Date of Extraction: 11/8/95 Time of Extraction: 08:00

Units: mg/Kg

Date of Analysis: 11/27/95

Time of Analysis: 18:25

Analyte	LCS Spike	LCS Conc.	LCS %	•	LCL	UCL	RC
Selenium	5	5.41	108		80	120	PR

MSD: SW7421 MS Sample Name: OT3815SAMS

MSD Sample Name: OT3815SAMSD

initial

MS LIMS ID: AA81075

MSD LIMS ID: AA81076

Extraction: SW3050

MS Extraction: 11/7/95

Matrix: SO

MSD Extraction: 11/7/95

Units: mg/Kg

MS Extraction: 13:00

MSD Extraction: 13:00

MS Analysis: 11/15/95

MSD Analysis: 11/15/95

Neat Sample: AA81074

MS Analysis: 23:03

MSD Analysis: 23:14

	Analyte	Original Conc	MS Spike	MS Canc.	MS %		MSD Spike	MSD Conc.	MSD %	•	RPD	LCL	UCL	RP D CL	RC
$\prod$	Lead	15.4	4.03	19	89	$\coprod$	4.161	19.4	96		7	75	125	20	PR

MSD : SW7740 MS Sample Name: OT3815SAMS

MSD Sample Name: OT3815SAMSD

initial

MS LIMS ID : AA81075

MSD LIMS ID: AA81076

Extraction: SW3050

MS Extraction: 11/7/95

MSD Extraction: 11/7/95

Matrix: SO

MS Extraction: 13:00

MSD Extraction: 13:00

Units: mg/Kg

MS Analysis: 11/13/95

MSD Analysis: 11/13/95

Neat Sample: AA81074

MS Analysis: 14:21

MSD Analysis: 14:26

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
Selenium	0	4.03	0.496	12	•	4.161	0.471	11	•	8		75	125	20	PR

LCS: SW7060 Sample Name: FSL3081

LIMS Sample ID: AA81428

Extraction Method: SW3050

Date of Extraction: 11/7/95

Matrix: SQ

Time of Extraction: 13:00

Units: mg/Kg Date of Analysis: 11/10/95

Time of Analysis: 15:26

Analyte	LCS Spike	LCS Conc.	LCS %	rcr	UCL	RC
Arsenic	5	5.12	102	80	120	PR

LCS: SW7421 Sample Name: FSL3081

initial

LIMS Sample ID: AA81428

Extraction Method: SW3050

Date of Extraction: 11/7/95

Matrix: SQ

Time of Extraction: 13:00

Units: mg/Kg

Date of Analysis: 11/15/95

Time of Analysis: 20:07

Lead 5 5.3 106 80 120 PR	Analyte	LCS Spike	LCS Conc.	LCS %	•	LCL	UCL	RC
	Lead	5	5.3	106		80	120	PR

Law Batch ID : FSB3085

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 53C81027

Concentration Level: LOW

Batch Prep Date: 11/11/95

SDGs Included: 53C81027

Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3822SA	AA81027	10/22/95	SO	<b>N</b> .
OT3902SA	AA81028	10/23/95	SO	N
OT3903SA	AA81029	10/23/95	SO	N
OT3823SA	AA81030	10/22/95	SO	N
OT3826SA	AA81031	10/22/95	SO	N
OT3821SA	AA81032	10/22/95	SO	N
OT3841SA	AA81033	10/22/95	SO	N
FDUP-04	AA81034	10/22/95	SO	FD
OT3835SA	AA81035	10/22/95	SO	N
OT3833SA	AA81036	10/22/95	SO	N
OT3847SA	AA81037	10/22/95	SO	N
OT3834SA	AA81038	10/22/95	SO	N
OT3846SA	AA81039	10/22/95	SO	N
OT3848SA	AA81040	10/22/95	SO	N
OT3836SA	AA81041	10/22/95	SO	N
OT3843SA	AA81042	10/22/95	SO	N
OT3828SA	AA81043	10/22/95	SO	N
FDUP-05	AA81044	10/22/95	SO	FD
FDUP-03	AA81045	10/22/95	so	FD
OT3829SA	AA81046	10/22/95	SO	N
FSB3085	AA81905	11/11/95	SQ	LB
FSL3085	AA81906	11/11/95	SQ	BS
OT3822SAMS	AA83096	10/22/95	SQ	MS
OT3822SAMSD	AA83097	10/22/95	SQ	SD

MSD: SW7060

MS Sample Name: OT3822SAMS

initial

MS LIMS ID : AA83096

Extraction: SW3050

MS Extraction: 11/11/95

Matrix: SQ

MS Extraction: 09:00

Units: mg/Kg

MS Analysis: 11/20/95

MSD Sample Name: OT3822SAMSD

MSD LIMS ID: AA83097

MSD Extraction: 11/11/95

MSD Extraction: 09:00

MSD Analysis: 11/20/95

Neat Sample : AA81027 MS Analysis: 23:18 MSD Analysis: 23:22

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	SP CL	RC
Arsenic	1.44	4.641	4.5	66	Ŀ	4.347	4.32	66	•	1		75	125	20	PR

MSD: SW7421

MS Sample Name: OT3822SAMS

MSD Sample Name: OT3822SAMSD

initial

MS LIMS ID: AA83096

MSD LIMS ID: AA83097

Extraction: SW3050

MS Extraction: 11/11/95

Matrix: SQ

MSD Extraction: 11/11/95

Units: mg/Kg

MS Extraction: 09:00

MSD Extraction: 09:00 MSD Analysis: 11/30/95

Neat Sample: AA81027

MS Analysis: 11/30/95 MS Analysis: 10:37

MSD Analysis: 11:16

	Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL		RPDC	RC
Į	Lead	36.2	4.841	36.6	9	•	4.347	37,2	23	٠	91	٠	75	125	20	PR

SW7740

MS Sample Name: OT3822SAMS

MSD Sample Name: OT3822SAMSD

initial

Extraction: SW3050

MS LIMS ID: AA83096

MSD LIMS ID: AA83097

MS Extraction: 11/11/95

MSD Extraction: 11/11/95

Matrix: SQ

MS Extraction: 09:00

MSD Extraction: 09:00

Units: mg/Kg

MS Analysis: 11/22/95

MSD Analysis: 11/22/95

Neat Sample: AA81027

MS Analysis: 23:35

MSD Analysis: 23:40

	Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	RP D CL	RC
Selenii	.m	0	4.641	1.22	26		4.347	1.12	26	•	2	Г	75	125	20	PR

LCS:

SW7060

Sample Name: FSL3085

initia!

LIMS Sample ID: AA81906

Extraction Method: SW3050

Date of Extraction: 11/11/95

Matrix: SQ

Time of Extraction: 09:00

Units: mg/Kg

Date of Analysis: 11/20/95 Time of Analysis: 22:39

Acaba							
Analyte	LCS Spike	LCS Conc.	LCS	•	rcr	UCL	RC
Arsenic						L	ł
Vizelic	5	4.52	90	l .	80	120	00

LCS:

SW7421

Extraction Method: SW3050

Sample Name: FSL3085

LIMS Sample ID: AA81906

Date of Extraction: 11/11/95

Matrix: SQ

Time of Extraction: 09:00

Units: mg/Kg

Date of Analysis: 11/29/95

Time of Analysis: 10:12

Analyte	LCS Spike	LCS Conc.	LCS	•	LCL	UCL	RC
Lead	5	5.18	104		80	120	PR

Law Batch ID: FSB3078

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 54C81047

Concentration Level: LOW

Batch Prep Date: 11/7/95

SDGs Included: 54C81047

Samples in Batch	<u></u>			
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3830SA	AA81047	10/22/95	SO	N
OT3830SAMS	AA81048	10/22/95	SO	MS
OT3830SAMSD	AA81049	10/22/95	so	SD
OT3839SA	AA81050	10/22/95	SO	N
OT3849SA	AA81051	10/22/95	SO	N
OT3837SA	AA81052	10/22/95	so	N
OT3850SA	AA81053	10/23/95	so	N
OT3850SAMS	AA81054	10/23/95	so	MS
OT3850SAMSD	AA81055	10/23/95	so	SD
OT3838SA	AA81056	10/22/95	so	N
OT3831SA	AA81057	10/22/95	so	N
OT3820SA	AA81058	10/22/95	so	N
OT3820SAMS	AA81059	10/22/95	SO	MS
OT3820SAMSD	AA81060	10/22/95	SO	SD
OT3819SA	AA81061	10/22/95	SO	N
OT3801SA	AA81062	10/22/95	SO	N
OT3818SA	AA81063	10/22/95	SO	N
OT3817SA	AA81064	10/22/95	so	N
OT3808SA	AA81065	10/22/95	so	N
OT3804SA	AA81066	10/22/95	so	N
FSB3078	AA81425	11/7/95	SQ	LB
FSL3078	AA81426	11/7/95	SQ	BS

MSD: SW7060

initial

MS Sample Name: OT3830SAMS

MS LIMS ID : AA81048

Extraction: SW3050

Matrix : SO

Units: mg/Kg

Neat Sample : AA81047

MS Extraction: 11/7/95

MS Extraction: 11:00

MS Analysis: 11/8/95

MS Analysis: 14:39

MSD Sample Name: OT3830SAMSD

MSD LIMS ID: AA81049

MSD Extraction: 11/7/95

MSD Extraction: 11:00

MSD Analysis: 11/8/95

MSD Analysis: 14:44

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	RP DCL	RC
Arsenic	1.56	4.49	4.59	68	•	4.105	4.32	67	•	0		75	125	20	PR

MSD: SW7421

MS Sample Name: OT3830SAMS

MSD Sample Name: OT3830SAMSD

initial

MS LIMS ID : AA81048

MSD LIMS ID: AA81049

Extraction: SW3050

MSD Extraction: 11/7/95

Matrix: SO

MS Extraction: 11/7/95 MS Extraction: 11:00

MSD Extraction: 11:00

Units: mg/Kg

MS Analysis: 11/12/95

MSD Analysis: 11/13/95

Neat Sample: AA81047

MS Analysis: 23:53

MSD Analysis: 00:04

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D C	RC
Lead	16	4.49	25.6	214		4.105	19.5	85		86	•	75	125	20	PR

SW7740 MSD :

MS Sample Name : OT3830SAMS

MSD Sample Name: OT3830SAMSD

initial

MS LIMS ED : AA81048

MSD LIMS ID: AA81049

Extraction: SW3050

MS Extraction: 11/7/95

MSD Extraction: 11/7/95

Matrix: SO Units: ma/Ka MS Extraction: 11:00

MSD Extraction: 11:00 MSD Analysis: 11/8/95

Neat Sample: AA81047

MS Analysis: 11/8/95 MS Analysis: 21:50

MSD Analysis: 21:55

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
Selenium	0.143	4.49	2.14	45	•	4.105	1.73	39	•	14		75	125	20	PR

MSD:

SW7060

MS Sample Name: OT3850SAMS

MSD Sample Name: OT3850SAMSD

initial

Extraction: SW3050

MS LIMS ED: AA81054

MSD LIMS ID: AA81055

MS Extraction: 11/7/95

MSD Extraction: 11/7/95

Matrix: SO

MS Extraction: 11:00

MSD Extraction: 11:00

Units: mg/Kg

MS Analysis: 11/8/95

MSD Analysis: 11/8/95

Neat Sample: AA81053

MS Analysis: 15:51

MSD Analysis: 15:56

Analyte	Original Conc	MS Spike	MS Conc.	MS %	٠	MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	유민	RC
Arsenic	2.31	4.224	5.66	79		4.131	5.33	73	•	8		75	125	20	PR

MSD:

SW7421

MS Sample Name: OT3850SAMS

MSD Sample Name: OT3850SAMSD

initial

MS LIMS ID: AA81054

MSD LIMS ID: AA81055

Extraction: SW3050

MS Extraction: 11/7/95

MSD Extraction: 11/7/95

Matrix: SO

MS Extraction: 11:00

MSD Extraction: 11:00

Units: mg/Kg

MS Analysis: 11/15/95

MSD Analysis: 11/15/95

Neat Sample: AA81053

MS Analysis: 11:20

MSD Analysis: 11:25

Analyte	Original Conc	MS Spike	MS Conc.	MS %	٠	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
Lead	52.3	4.224	73.3	497	•	4.131	71.6	467	٠	6	Г	75	125	20	PR

MSD: SW7740

MS Sample Name: OT3850SAMS

MSD Sample Name: OT3850SAMSD

initial

MS LIMS ID: AA81054

MSD LIMS ED : AA81055

Extraction: SW3050

Matrix: SO

MS Extraction: 11/7/95

MSD Extraction: 11/7/95

MS Extraction: 11:00

MSD Extraction: 11:00

Units: mg/Kg

MS Analysis: 11/8/95

MSD Analysis: 11/8/95

Neat Sample: AA81053

MS Analysis: 23:05

MSD Analysis: 23:10

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP DCL	RC
Selenium	0	4.224	1.78	42	•	4.131	1.5	36		15		75	125	20	PR

SW7060 MSD:

MS Sample Name: OT3820SAMS

MSD Sample Name: OT3820SAMSD

initial

MS LIMS ID : AA81059

MSD LIMS ID: AA81060

Extraction: SW3050

MS Extraction: 11/7/95

Matrix: SO

MSD Extraction: 11/7/95

MS Extraction: 11:00

MSD Extraction: 11:00 MSD Analysis: 11/8/95

Units: mg/Kg

MS Analysis: 11/8/95

Neat Sample: AA81058

MS Analysis: 16:52

MSD Analysis: 16:57

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	RP D CL	RC
Arsenic	2.21	3.857	4.8	67	Ŀ	4.423	4.94	62	•	8		75	125	20	PR

MSD : SW7421 MS Sample Name: OT3820SAMS

MSD Sample Name: OT3820SAMSD

initial

MS LIMS ID: AAB1059

MSD LIMS ID: AA81060

Extraction: SW3050

MS Extraction: 11/7/95

MSD Extraction: 11/7/95

Matrix: SO

MS Extraction: 11:00

MSD Extraction: 11:00

Units: mg/Kg

MS Analysis: 11/13/95

MSD Analysis: 11/13/95

Neat Sample: AA81058

MS Analysis: 03:38

MSD Analysis: 03:49

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	ľ	RPD	•	LCL	UCL	RP D CL	RC
Lead	27.7	3.857	33.9	161		4.423	37,7	226	•	34	٠	75	125	20	PR

MSD : SW7740 MS Sample Name: OT3820SAMS

MSD Sample Name: OT3820SAMSD

initial

MS LIMS ID : AA81059

MSD LIMS ID: AA81060

Extraction: SW3050

MS Extraction: 11/7/95

MSD Extraction: 11/7/95

Matrix: SO

MSD Extraction: 11:00

Units: mg/Kg

MS Extraction: 11:00

MS Analysis: 11/9/95

MSD Analysis: 11/9/95

Neat Sample: AA81058

MS Analysis: 00:08

MSD Analysis: 00:12

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	유미년	RC
Selenium	0	3.857	1.36	35	·	4.423	1.55	35	•	1		75	125	20	PR

Law Batch ID : HGSB0491

Project Name: CARSWELL SOIL

Concentration Level: LOW

Project Number: 11-3517

Batch Prep Date: 11/5/95 SDGs included: 55C81067

SDG Number: 55C81067

Samples in Batch		<u> </u>		
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3851SA	AA81067	10/23/95	SO	N
OT3803SA	AA81068	10/22/95	SO	N
OT3802SA	AA81069	10/22/95	so	N
OT3805SA	AA81070	10/22/95	SO	N
OT3807SA	AA81071	10/22/95	SO	N
OT3806SA	AA81072	10/22/95	SO	N
OT3811SA	AA81073	10/22/95	SO	N
OT3815SA	AA81074	10/22/95	\$O	N
OT3815SAMS	AA81075	10/22/95	SO	MS
OT3815SAMSD	AA81076	10/22/95	SO	SD
OT3812SA	AA81077	10/22/95	SO	N
OT3816SA	AA81078	10/22/95	SO	N
OT3907SA	AA81079	10/23/95	SO	N
OT3814SA	AA81080	10/22/95	so	N
OT3813SA	AA81081	10/22/95	SO	N
OT3810SA	AA81082	10/22/95	SO	N
FDUP-01	AA81083	10/22/95	SO	FD
OT3809SA	AA81084	10/22/95	so	N
OT3904SA	AA81085	10/23/95	SO	N
OT3901SA	AA81086	10/23/95	so	N
HGSB0491	AA81473	11/5/95	SQ	LB
HGSL0491	AA81474	11/5/95	SQ	BS

MSD: SW7471

MS Sample Name: OT3815SAMS

MSD Sample Name: OT3815SAMSD

MS LIMS ID : AA81075

MSD LIMS ID: AA81076

Extraction: NONE

MS Extraction:

MSD Extraction:

Matrix: SO

MSD Extraction:

Units: mg/Kg

MS Extraction:

MS Analysis: 11/5/95

MSD Analysis: 11/5/95

Neat Sample : AA81074

MS Analysis: 15:37

MSD Analysis: 15:39

Analyte	Original Conc	MS Spike	MS Conc.	MS %	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RPC	RC
Mercury	0	0.555	0.585	105	0.524	0.505	96		9		75	125	20	PR

Law Batch ID : HGSB0492

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 53C81027

Concentration Level: LOW

Batch Prep Date: 11/5/95

195

SDGs Included: 53C81027

				3001027
Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3822SA	AA81027	10/22/95	SO	N
OT3902SA	AA81028	10/23/95	SO	N
OT3903SA	AA81029	10/23/95	SO	N
OT3823SA	AA81030	10/22/95	SO	N
OT3826SA	AAB1031	10/22/95	SO	N
OT3821SA	AA81032	10/22/95	SO	N
OT3841SA	AA81033	10/22/95	SO	N
FDUP-04	AA81034	10/22/95	SO	FD
OT3835SA	AA81035	10/22/95	SO	N
OT3833SA	AA81036	10/22/95	SO	N
OT3847SA	AA81037	10/22/95	SO	N
OT3834SA	AA81038	10/22/95	SO	N
OT3846SA	AA81039	10/22/95	SO	N
OT3848SA	AA81040	10/22/95	SO	N
OT3836SA	AA81041	10/22/95	SO	N
OT3843SA	AA81042	10/22/95	SO	N
OT3828SA	AA81043	10/22/95	SO	N
FDUP-05	AA81044	10/22/95	SO	FD
FDUP-03	AA81045	10/22/95	SO	FD
OT3829SA	AA81046	10/22/95	SO	N
HGSB0492	AA81465	11/5/95	SQ	LB
HGSL0492	AA81466	11/5/95	SQ	BS
OT3822SAMS	AA83096	10/22/95	SQ	MS
OT3822SAMSD	AA83097	10/22/95	SQ	SD

MSD: SW7471

MS Sample Name: OT3822SAMS

MSD Sample Name: OT3822SAMSD

initial

MS LIMS ID : AA83096

MSD LIMS ID: AA83097

Extraction: NONE

MS Extraction :

MSD Extraction:

Matrix: SQ

MS Extraction:

MSD Extraction :

Units: mg/Kg

MSD Analysis: 11/5/95

Neat Sample : AA81027

MS Analysis: 11/5/95

MS Analysis: 13:52

MSD Analysis: 13:54

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	٠	RPD	•	LCL	UCL	RP D CL	RC
Mercury	0	0.535	0.489	92		0.585	0.528	90		1		75	125	20	PR

Law Batch ID: HGSB0490

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 54C81047

Concentration Level: LOW

Batch Prep Date: 11/5/95

SDGs Included: 54C81047

Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3830SA	AA81047	10/22/95	SO	N
OT3830SAMS	AA81048	10/22/95	SO	MS
OT3830SAMSD	AA81049	10/22/95	SO	SD
OT3839SA	AA81050	10/22/95	so	N
OT3849SA	AA81051	10/22/95	so	N
OT3837SA	AA81052	10/22/95	SO	N
OT3850SA	AAB1053	10/23/95	SO	N
OT3850SAMS	AA81054	10/23/95	SO	MS
OT3850SAMSD	AA81055	10/23/95	so	SD
OT3838SA	AA81056	10/22/95	SO	N
OT3831SA	AA81057	10/22/95	SO	N
OT3820SA	AA81058	10/22/95	SO	N
OT3820SAMS	AA81059	10/22/95	SO	MS
OT3820SAMSD	AA81060	10/22/95	SO	SD
OT3819SA	AA81061	10/22/95	SO	N
OT3801SA	AA81062	10/22/95	SO	N
OT3818SA	AA81063	10/22/95	so	N
OT3817SA	AA81064	10/22/95	so	N
OT3808SA	AA81065	10/22/95	SO	N
OT3804SA	AA81066	10/22/95	so	N
HGSB0490	AA81469	11/5/95	SQ	LB
HGSL0490	AA81470	11/5/95	SQ	BS

MSD : SW7471

Extraction: NONE

MS Sample Name: OT3830SAMS

initial

MS LIMS ID : AA81048

MS Extraction:

MS Extraction:

Matrix: SO Units: mg/Kg

Neat Sample: AA81047

MS Analysis: 11/5/95

MS Analysis: 17:22

MSD Sample Name: OT3830SAMSD

MSD LIMS ID: AA81049

MSD Extraction:

MSD Extraction:

MSD Analysis: 11/5/95

MSD Analysis: 17:24

Analyte	Original Conc	MS Spike	MS Conc.	MS %	MSD Spike	MSD Conc.	MSD %	٠	RPD	•	LCL	UCL	RP D CL	RC
Mercury	0	0.538	0.477	89	0.512	0.44	86		3		75	125	20	PR

MSD: SW7471

MS Sample Name: OT3840SAMS

MSD Sample Name: OT3840SAMSD

initial

Extraction: NONE

MS LIMS ID : AA81022

MSD LIMS ID : AA81023

MSD Extraction:

MS Extraction:

Matrix: SO

MS Extraction:

MSD Extraction:

Units: mg/Kg

MS Analysis: 11/3/95

MSD Analysis: 11/3/95

Neat Sample: AA81021

MS Analysis: 14:09

MSD Analysis: 14:11

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	유미디	RC
Mercury	0	0.478	0.51	107	_	0.514	0.548	107		0		75	125	20	PR

LCS:

SW7471

Sample Name: HGSL0488

initial

LIMS Sample ID: AA81458

**Extraction Method: NONE** 

Date of Extraction:

Matrix: SQ

Time of Extraction:

Units: mg/Kg

Date of Analysis: 11/3/95

Time of Analysis: 13:33

Analyte	LCS Spike	LCS Conc.	LCS %	•	LCL	UČL	RC
Mercury	0.48	0.463	96		80	120	PR

SW7471 MSD:

MS Sample Name : OT3850SAMS

MSD Sample Name: OT3850SAMSD

initial

MS LIMS ID: AA81054

MSD LIMS ID: AA81055

Extraction: NONE

MSD Extraction:

Matrix: SO

MS Extraction:

MS Extraction:

MSD Extraction:

Units: mg/Kg

MS Analysis: 11/5/95

MSD Analysis: 11/5/95

Neat Sample: AA81053

MS Analysis: 17:34

MSD Analysis: 17:40

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RPDC	RC
Mercury	0	0.501	0.444	89		0.477	0.41	86		3		75	125	20	PR

MSD :

SW7471

MS Sample Name: OT3820SAMS

MSD Sample Name: OT3820SAMSD

initial

MS LIMS ID : AA81059

MSD LIMS ID: AA81060

Extraction: NONE

MS Extraction:

MSD Extraction:

Matrix: SO

MS Extraction:

MSD Extraction:

Units: mg/Kg

MS Analysis: 11/5/95

MSD Analysis: 11/5/95

Neat Sample: AA81058

MS Analysis: 17:48

MSD Analysis: 17:50

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	RPD	•	LCL	UCL	유미년	RC
Mercury	0	0.458	0.388	85		0.55	0.472	86	1		75	125	20	PR

LCS :

SW7471

Sample Name: HGSL0490

initial

LIMS Sample ID : AA81470

**Extraction Method: NONE** 

Date of Extraction:

Matrix: SQ

Time of Extraction:

Units: mg/Kg

Date of Analysis: 11/5/95

Time of Analysis: 17:18

Analyte	LCS Spike	LCS Conc.	LCS %	LCL	UCL	RC
Mercury	0.42	0.426	101	80	120	PR

MSD: SW8240

MS Sample Name: OT3913SAMS

MSD Sample Name: OT3913SAMSD

initial

MS LIMS ID : AAB1014

MSD LIMS ID: AAB1015

Extraction: NONE

MS Extraction:

MSD Extraction:

Matrix: SO

MS Extraction:

MSD Extraction:

Units: mg/Kg

MS Analysis: 10/30/95

MSD Analysis: 10/30/95

Neat Sample : AA81013

MS Analysis: 09:08

MSD Analysis: 09:35

Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
1.1.1-Trichloroethane	0	0.061	0.0633	104	П	0.0605	0.0588	97	Γ	7	Γ	69	127	40	PR
1,1-Dichloroethene	1 0	0.061	0.0847	106	1 1	0.0605	0.058	96	1	10	l	69	122	40	PR
Benzene	0	0.061	0.0633	104	l	0.0605	0.0595	98		6	•	58	124	40	PR
Chlorobenzene	lo	0.061	0.0594	97		0.0605	0.0572	95	l	3	(	73	127	40	PR
Chloroform	0	0.081	0.0623	102	1 1	0.0605	0.0584	97	ı	6		63	117	40	PR
Dibromochloromethane	. 0	0.061	0.0561	92	H	0.0605	0.0545	90	ł	2		64	120	40	PR
Ethylbenzene	0	0.061	0.0829	103	1 1	0.0605	0.0596	99	1	4	1	72	125	40	PR
Tetrachioroethene	0	0.061	0.0539	88	1 1	0.0605	0.0502	83	ı	6		66	116	40	PR
Toluene	0.0125	0.061	0.0825	115	1 1	0.0605	0.0624	82	l	33	[	73	122	40	PR
Trichloroethene	0	0.061	0.0625	102		0.0605	0.0591	96	_	4		76	117	40	PR

MSD : SW8240

MS Sample Name : OT3840SAMS

MSD Sample Name: OT3840SAMSD

initial

MS LIMS ID : AAB1022

MSD LIMS ID: AAB1023

Extraction: NONE Matrix: SO

MS Extraction:

MSD Extraction:

Units; mg/Kg

MS Extraction:

MSD Extraction:

Neat Sample: AA81021

MS Analysis : 10/30/95 MS Analysis: 10:03

MSD Analysis: 10/30/95

MSD Analysis: 10:30

Anziyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
1,1,1-Trichloroethane	0	0.0557	0.0496	89	Π	0.0552	0.0471	85		4		69	127	40	PR
1,1-Dichtoroethene	1 0	0.0557	0.0548	98	l	0.0552	0.0508	92		7	ı	69	122	40	PR
Benzene	0	0.0557	0.0534	96		0.0552	0.0505	92		5	l	68	124	40	PR
Chlorobenzene	1 0	0.0557	0.0537	97	ł	0.0552	0.0504	91		6	1	73	127	40	PR
Chloroform	0	0.0557	0.0533	96	l	0.0552	0.0512	93		3	l	63	117	40	PR
Dibromochtoromethane	0	0.0557	0.0469	84		0.0552	0.0465	84	l	0	l	64	120	40	PR
Ethylbenzene	) 0	0.0557	0.0516	93	l	0.0552	0.0494	90	l	4	1	72	125	40	PR
Tetrachloroethene	0	0.0557	0.0349	63	١.	0.0552	0.0312	57	I٠	10	ĺ	66	116	40	PR
Toluene	0.00125	0.0557	0.0522	92	1	0.0552	0.0627	111	1	19	1	73	122	40	PR
Trichloroethane	0	0.0557	0.0509	91		0.0552	0.0483	88		4		76	117	40	PR

MSD: \$W8240

MS Sample Name: OT3815SAMS

initial

MS LIMS ID : AA81075

Extraction : NONE Matrix: SO

MS Extraction:

MS Extraction:

Units: mg/Kg Neat Sample : AA81074 MS Analysis: 10/29/95

MS Analysis: 10:04

MSD Sample Name: OT3815SAMSD

MSD LIMS ID: AA81076

MSD Extraction:

MSD Extraction:

MSD Analysis: 10/29/95

MSD Analysis: 10:31

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	FCF	NCL	S D C	RC
1,1,1-Trichloroethane	0	0.0561	0.0551	98		0.056	0.0516	92	Г	7		69	127	40	PR
1,1-Dichloroethene	0	0.0561	0.0546	97		0.056	0.0524	94	1	4		69	122	40	PR
Benzene	1 0	0.0561	0.0562	100		0.056	0.0528	94	1	6		68	124	40	PR
Chlorobenzene	1 0	0.0561	0.0519	93		0.056	0.0526	94	l	2		73	127	40	PR
Chloroform	1 0	0.0561	0.0569	101		0.056	0.0541	97	l	4		63	117	40	PR
Dibromochloromethane	l o	0.0561	0.0514	92		0.056	0.0548	98	ŀ	6		64	120	40	PR
Ethylbenzene	} o	0.0561	0.0523	93		0.056	0.0531	95	ì	2		72	125	40	PR
Tetrachloroethene	0	0.0561	0.0457	82		0.056	0.0462	83		1 1		66	116	40	PR
Toluene	0.0075	0.0561	0.052	79		0.056	0.0568	88	•	10		73	122	40	PR
Trichloroethene	1 0	0.0561	0.0543	97	ĺ	0.056	0.0555	99		2		76	117	40	PR

### 000284/\_

### Law Engineering and Environmental Services, Inc. National Laboratories - Pensacola

MSD: SW8240

MS Sample Name: OT3822SAMS

MSD Sample Name: OT3822SAMSD

initial

MS LIMS ID : AA83096

MSD LIMS ID: AA83097

**Extraction: NONE** 

MS Extraction:

MSD Extraction:

Matrix : SQ

MSD Extraction:

MS Extraction:

Units : mg/Kg

MS Analysis: 10/31/95

MSD Analysis: 10/31/95

Nest Sample: AA81027

MS Analysis: 07:19

MSD Analysis: 07:46

Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD %	•	RPD	•	rcr	UCL	RPOL	RC
1,1,1-Trichloroethane	0	0.0615	0.0645	105		0.0616	0.0633	103		2		69	127	40	PR
1,1-Dichloroethene	0	0.0615	0.0645	105		0.0616	0.0846	105		0		69	122	40	PR
Benzene	0	0.0815	0.0633	103	1	0.0516	0.0841	104		1		68	124	40	PR
Chlorobenzene	0	0.0615	0.0593	96	l	0.0516	0.0501	98		1		73	127	40	PR
Chloroform	0	0.0615	0.063	102	l	0.0516	0.0635	103		1		63	117	40	PR
Dibromochloromethane	0	0.0615	0.058	94		0.0516	0.0614	100		6		64	120	40	PR
Ethylbenzene	0	0.0615	0.0611	99	ľ	0.0816	0.0624	101		2		72	125	40	PR
Tetrachioroethene	0	0.0615	0.0589	96		0.0516	0.0596	97	1	1		66	116	40	PR
Toluene	0.00506	0.0615	0.068	102		0.0515	0.071	107	1	5		73	122	40	PR
Trichloroethene	0	0.0615	0.0633	103	1	0.0516	0.0642	104		1		76	117	40	PR

MSD: SW8240

MS Sample Name: OT3830SAMS

MSD Sample Name: OT3830SAMSD

initial

MS LIMS ID : AA81048

MSD LIMS ID : AA81049

Extraction : NONE

....

MSD Extraction:

Matrix : 50

MS Extraction:

WOD EXTRO

MS Extraction :

MSD Extraction:

Units: mg/Kg

MS Analysis: 11/3/95

MSD Analysis: 11/3/95

Neat Sample : AA81047

MS Analysis: 07:07

MSD Analysis: 07:33

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	rcr	UCL	RP D CL	RC
1,1,1-Trichloroethane	0	0.0573	0.0608	106	Г	0.0575	0.058	101		5		69	127	40	PR
1.1-Dichloroethene	1 0	0.0573	0.0634	111	l	0.0575	0.0595	103		7	Ì '	69	122	40	) PR
Benzene	0	0.0573	0.0604	105	l	0.0575	0.0588	102		3	1	68	124	40	PR
Chlorobenzene	ìo	0.0573	0.0574	100	1	0.0575	0.0555	96		4	l	73	127	40	PR
Chloroform	1 0	0.0573	0.0605	106	1	0.0575	0.0578	100		6		63	117	40	PR
Dibromochloromethane	) 0	0.0573	0.0513	90	ı	0.0575	0.0522	91		1		64	120	40	PR
Ethylbenzene	[ 0	0.0573	0.0607	106	ļ	0.0575	0.059	103		3		72	125	40	PR
Tetrachioroethene	1 0	0.0573	0.0525	92	1	0.0575	0.05	87		5		66	116	40	PR
Toluene	0.00163	0.0573	0.0581	88	•	0.0575	0.058	98		1		73	122	40	PR
Trichloroethene	0	0.0573	0.0582	102	l	0.0575	0.0573	100		2		76	117	40	PR

MSD:

SW8240

MS Sample Name: OT3850SAMS

MSD Sample Name: OT3850SAMSD

initial

Extraction : NONE

MS LIMS ID : AA81054

MSD LIMS ID: AA81055

Matrix : SO

MS Extraction : MS Extraction :

MSD Extraction : MSD Extraction :

Units : mg/Kg

MS Analysis : 11/3/95

MSD Analysis: 11/3/95

Neat Sample : AA81053

MS Analysis: 08:00

MSD Analysis: 08:27

Analyte	Original Conc	MS Spike	MS Conc.	MS %	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	ŋĊĹ	R D C	RC
1,1,1-Trichloroethane	0	0.0549	0.0548	100	0.0551	0.0538	98	П	2		69	127	40	PR
1,1-Dichloroethene	0	0.0549	0.057	104	0.0551	0.056	102	łi	2		69	122	40	PR
Benzene	0	0.0549	0.0566	103	0.0551	0.0553	100	!!	3		68	124	40	PR
Chlorobenzene	) 0	0.0549	0.0525	96	0.0551	0.0523	95	П	1		73	127	40	PR
Chloroform	0	0.0549	0.0553	101	0.0551	0.0551	100	1	1		63	117	40	PR
Dibromochloromethane	0	0.0549	0.0487	89	0.0551	0.0489	89	ll	0		64	120	40	PR
Ethylbenzene	0	0.0549	0.0549	100	0.0551	0.0547	99	1	1		72	125	40	PR
Tetrachioroethene	0	0.0549	0.0462	84	0.0551	0.0424	77		9		66	116	40	PR
Toluene	0.000918	0.0549	0.0543	97	0.0551	0.0524	93	1	4	1	73	122	40	PR
Trichloroethene	0	0.0549	0.054	98	0.0551	0.0516	94		5		76	117	40	PR

MSD: SW8240 MS Sample Name: OT3820SAMS

MSD Sample Name: OT3820SAMSD

initial

MS LIMS ID : AAB1059

MSD LIMS ID: AA81060

Extraction: NONE

MSD Extraction:

Matrix: SO

MS Extraction:

Units: mg/Kg

MS Extraction:

MSD Extraction:

Neat Sample: AA81058

MS Analysis: 11/3/95 MS Analysis: 08:53

MSD Analysis: 11/3/95

MSD Analysis: 09:20

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	rcr	UCL	RP D CL	RC
1,1,1-Trichloroethane	0	0.0579	0.0566	98		0.0582	0.0566	97		1		69	127	40	PR
1,1-Dichloroethene	0	0.0579	0.0573	99		0.0582	0.0574	99		1		69	122	40	PR
Benzene	0	0.0579	0.0582	101		0.0582	0.0585	100		1		68	124	40	PR
Chlorobenzene	0	0.0579	0.0563	97		0.0582	0.0548	94		3		73	127	40	PR
Chloroform	0	0.0579	0.0578	100		0.0582	0.0574	99		1		63	117	40	PR
Dibromochloromethane	1 0	0.0579	0.0559	97		0.0582	0.0529	91		6	١.	64	120	40	PR
Ethylbenzene	0	0.0579	0.059	102	l	0.0582	0.058	100		2		72	125	40	PR
Tetrachloroethene	0	0.0579	0.0509	88		0.0582	0.0505	87		1		66	116	40	PR
Toluene	0.00067	0.0579	0.0551	94	1	0.0582	0.0558	95		1		73	122	40	PR
Trichloroethene	0	0.0579	0.0562	97	ı	0.0582	0.0567	97		0		76	117	40	PR

MSD: SW8270

MS Sample Name: OT3913SAMS

initial

MS LIMS ID: AA81014

Extraction: SW3550

MS Extraction: 11/2/95

Matrix: SO Units: mg/Kg

MS Extraction: 11:05 MS Analysis: 11/12/95

Neat Sample : AA81013

MS Analysis: 06:56

MSD Sample Name: OT3913SAMSD

MSD LIMS ID: AAB1015

MSD Extraction: 11/2/95

MSD Extraction: 11:05

MSD Analysis: 11/12/95

MSD Analysis: 09:50

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	ಕಿಂದ	R
1,2,4-Trichlorobenzene	0	4.073	2.45	60		4.104	2.33	57	Г	6		44	142	40	P
1,4-Dichlorobenzene	. 0	4.073	2.11	52		4.104	1.99	49		7	ŀ	20	124	40	P
2,4-Dinitrotoluene	1 0	4.073	2.25	56	Ì	4.104	2.31	56		1		47	129	40	P
2-Chiorophenol	0	6.11	3.72	61		6.156	3.42	56		9		23	127	40	P
4-Chloro-3-methylphenol	10	6.11	4.04	66	1	6.156	3.94	64		3		39	131	40	P
4-Nitrophenol	0	6.11	3.34	55		6.156	3.63	59		8		0	132	40	P
Acenaphthene	0	4.073	2.66	65	Ì	4.104	2.53	62	i	6		47	135	40	P
Benz(a)anthracene	0	4.073	3.01	74		4.104	2.95	72		3		43	136	40	P
Benzo(a)pyrene	0	4.073	3.56	87	1	4.104	3.59	88		0		17	152	40	P
Butyl benzyl phthalate	0	4.073	3.6	88		4.104	3.53	86		3		54	143	40	lΡ
Hexachlorobenzene	) 0	4.073	3.01	74	1	4.104	3	73		1	ľ	42	144	40	ļρ
Naphthalene	0	4.073	2,41	59		4.104	2.28	56		6		33	127	40	Į p
Pentachlorophenol	) 0	6.11	2.63	43	1	6.156	2.52	41		5		14	155	40	P
Phenoi	0	6.11	3.49	57		6.156	3.42	56		3		29	112	40	l P
Pyrene	) 0	4.073	4.18	103		4.104	4.09	100		3		60	115	40	F
bis(2-Chloroethoxy)methane	0	4.073	2.52	62		4.104	2.47	60		3		33	154	40	Į P
n-Nitrosodi-n-propylamine	) 0	4.073	2.73	67	]	4.104	2.72	66		1		0	139	40	Į p

MSD: SW8270 MS Sample Name: OT3840SAMS

initial Extraction: SW3550

MS LIMS ID: AA81022 MS Extraction: 11/2/95

Matrix: SO Units: mg/Kg

MS Extraction: 11:05 MS Analysis: 11/12/95

Neat Sample: AA81021

MS Analysis: 16:09

MSD Sample Name: OT3840SAMSD

MSD LIMS ID: AA81023

MSD Extraction: 11/2/95

MSD Extraction: 11:05

MSD Analysis: 11/12/95

MSD Analysis: 17:03

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	RP OCL	RC
1,2,4-Trichlorobenzene	0	3.676	2,48	68		3.64	2.04	56	Г	19		4	142	40	PR
1,4-Dichlorobenzene	0	3.676	2.14	58	1	3.64	1.65	45	1	25		20	124	40	PR
2,4-Dinitrotoluene	1 0	3.676	0.911	25	•	3.64	0.674	19	•	29		47	129	40	PR
2-Chiorophenol	1 0	5.513	3.73	68	1	5.46	3.02	55	1	20		23	127	40	PR
4-Chioro-3-methylphenoi	0	5.513	4.16	76		5.46	3.62	66		13		39	131	40	PR
4-Nitrophenol	0	5.513	2.49	45	1	5.46	1.77	32		33	1	0	132	40	PR
Acenaphthene	1 0	3.676	2.53	69		3.64	2.11	58		17		47	135	40	PR
Benz(a)anthracene	1 0	3.676	3	82	,	3.64	2.5	69	1	17		43	136	40	PR
Benzo(a)pyrene	1 0	3.676	3.64	99		3.64	3.09	85		15		17	152	40	PR
Butyl benzyl phthalate	1 0	3.676	4.06	110		3.64	3.99	110	\	0		54	143	40	PR
Hexachlorobenzene	i o	3.576	3.06	83		3.64	2.77	76		9		42	144	40	PR
Naphthalene	0	3.676	2.46	67		3.64	2.03	56	•	18		33	127	40	PR
Pentachiorophenol	1 0	5.513	2.7	49		5.46	2.26	41		17		14	155	40	PR
Phenol	0	5.513	3.46	63	1	5.46	2.86	52	1	18		29	112	40	PR
Pyrene	0.0732	3.676	4.88	131	٠	3.64	4.89	132	١.	1 1		60	115	40	PR
bis(2-Chloroethoxy)methane	lo	3.676	2.61	71		3.64	2.12	58	1	20		33	154	40	PR
n-Nitrosodi-n-propylamine	0	3.676	2.68	73		3.64	2.22	61	1	18		٥	139	40	PR

MSD: SW8270 MS Sample Name: OT3815SAMS

MS LIMS ID : AA81075

MS Extraction: 11/3/95

Matrix: SO Units: mg/Kg

Extraction: SW3550

Neat Sample: AA81074

initial

MS Extraction: 14:00

MS Analysis: 11/20/95 MS Analysis: 02:00

MSD Sample Name: OT3815SAMSD

MSD LIMS ID: AA81076

MSD Extraction: 11/3/95

MSD Extraction: 14:00

MSD Analysis: 11/20/95

MSD Analysis: 02:55

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	RP D CL	R
1,2,4-Trichlorobenzene	0	3.752	2,33	62		3.727	2.34	63		1		44	142	40	PF
1,4-Dichlorobenzene	0	3.752	2.13	57		3.727	2.12	57		0	ł	20	124	40	PF
2.4-Dinitrotoluene	0	3.752	2.14	57		3.727	1.91	51		11		47	129	40	PF
2-Chiorophenol	0	5.627	3.27	58		5.59	3.34	60		3	İ	23	127	40	PF
4-Chloro-3-methylphenol	0	5.627	3.79	67		5.59	3.73	67	l	1		39	131	40	PF
4-Nitrophenol	0	5.627	3.12	55		5.59	2.44	44		24	l	0	132	40	PF
Acenaphthene	0	3.752	2,67	71		3.727	2.52	68		5		47	135	40	PF
Benz(a)anthracene	0	3.752	3.22	86		3.727	2.86	77		11	İ	43	136	40	PF
Benzo(a)pyrene	0	3.752	2,96	79		3.727	2.73	73		7		17	152	40	PF
Butyl benzyl phthalate	0	3.752	3.18	85		3.727	2.8	75		12		54	143	40	PF
Hexachlorobenzene	0	3.752	2.68	71		3.727	2.49	67		7		42	144	40	PF
Naphthaiene	0	3.752	2.36	63	1	3.727	2.38	64		2		33	127	40	PF
Pentachiorophenoi	0	5.627	0.981	17		5.59	0.894	16		8	ı	14	155	40	PF
Phenol	0	5.627	3.01	54		5.59	3.24	58		8		29	112	40	<b>P</b> F
Pyrene	0	3.752	3.09	82	l	3.727	2.92	78	Ì	5	ı	60	115	40	PF
bis(2-Chloroethoxy)methane	0	3.752	2.34	62		3.727	2.34	63		1	l	33	154	40	PF
n-Nitrosodi-n-propylamine	0	3.752	2.25	60	l	3.727	2.37	64		5		0	139	40	l PF

MSD: SW8270

MS Sample Name : FDUP-04MS

MSD Sample Name: FDUP-04MSD

initial

MS LIMS ID: AA84701

Extraction: SW3550

MSD LIMS ID: AA84702

Matrix: SQ

MS Extraction: 11/3/95

MSD Extraction: 11/3/95

MS Extraction: 15:30

MSD Extraction: 15:30

Units: mg/Kg

MS Analysis: 11/27/95

MSD Analysis: 11/27/95

Neat Sample : AA81034

MS Analysis: 17:39

MSD Analysis: 18:33

Analyte	Original Conc	MS Spike	MS Conc.	MS %	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D	RC
1,2,4-Trichlorobenzene 1,4-Dichlorobenzene 2,4-Dinitrotoluene 2-Chlorophenol 4-Chloro-3-methylphenol 4-Nitrophenol Acenaphthene Benz(a)anthracene Benz(a)pyrene Butyl benzyl phthalate Hexachlorobenzene Naphthalene Pentachlorophenol Phenol Pyrene pis(2-Chloroethoxy)methane n-Nitrosodi-n-propylamine	000000000000000	3.838 3.838 5.756 5.756 5.756 3.838 3.838 3.838 3.838 3.838 3.838 3.838 3.838 3.838 3.838 3.838 3.838	2.38 2.16 2.46 3.47 4 5.41 2.39 2.89 2.72 2.94 2.7 2.27 1.35 2.52 2.92 2.38 2.52	62 56 64 60 70 94 62 75 71 77 70 59 24 44 76 62 66	3.822 3.822 3.822 5.734 5.734 5.734 3.822 3.822 3.822 3.822 3.822 3.822 3.822 3.822 3.822 3.822 3.822 3.822 3.822	2.22 1.95 2.42 3.16 3.81 5.65 2.3 2.81 2.84 2.86 2.63 2.13 1.25 2.32 2.83 2.18 2.34	58 52 63 55 66 99 60 74 69 75 69 56 22 41 74 57 61		68195532322688387		44 20 47 23 39 0 47 43 17 54 42 33 14 29 60 33 0	142 124 129 127 131 132 135 136 152 143 144 127 155 112 115 115 154 139	CL 49 49 49 49 49 49 49 49 49 49 49 49 49	PF PF PF PF PF PF PF PF PF PF PF PF PF P

MS Sample Name: OT3830SAMS MSD: SW8270

MS LIMS ID : AA81048

MS Extraction: 10/31/95

Matrix: SO MS Extraction: 13:15

initial

Extraction: SW3550

Neat Sample: AA81047

Units: mg/Kg MS Analysis: 11/20/95 MS Analysis: 13:50

MSD Sample Name: OT3830SAMSD

MSD LIMS ID: AA81049

MSD Extraction: 10/31/95

MSD Extraction: 13:15

MSD Analysis: 11/20/95

MSD Analysis: 14:44

Analyte	Original Conc	MS Spike	MS Conc.	MS %	MSD Spike	MSD Conc.	MSD %	RPD	1	iL (U	CL	RP D CL	R
1.2.4-Trichlorobenzene	0	3.873	2.63	68	3.77	2.15	57	17	1		42	40	PI
1.4-Dichlorobenzene	0	3.873	2.25	58	3.77	1.84	49	17		- 1	24	40	PI
2.4-Dinitrotoluene	0	3.873	2.92	75	3.77	2.3	61	21	1 1 '		29	40	P
2-Chlorophenol	0	5.809	3.87	67	5.655	3,17	56	17	2	- :	27	40	P
4-Chloro-3-methylphenol	0	5.809	4.33	75	5.655	3.56	63	17	3	- 1	31	40	Į PI
4-Nitrophenol	0	5.809	5.75	99	5.655	4.35	77	25			32	40	P
Acenaphthene	0	3.873	2.82	73	3.77	2.3	61	18	4	7   1	35	40	P
Benz(a)anthracene	0	3.873	3.59	93	3.77	2,79	74	22	4	3   1	36	40	P
Benzo(a)pyrene	1 0	3.873	3.3	85	3.77	2.62	70	20	1	7   1	52 [	40	P
Butyl benzyl phthalate	0	3.873	3.92	101	3.77	3.1	82	21	5	4   1	43	40	P
Hexachlorobenzene	0	3.873	3.27	84	3.77	2.65	70	18	4	2   1	44	40	P
Naphthalene	. 0	3.873	2.56	66	3.77	2.09	55	18	3	3   1	27	40	P
Pentachlorophenol	0	5.809	2.99	52	5.655	2.16	38	30	] ] 1	4   1	55	40	] P
Phenol	0	5.809	3.54	61	5.655	2.87	51	18	2	9   1	12	40	P
Pyrene	0	3.873	3.91	101	3.77	3.17	84	18	6	0   1	15	40	Р
bis(2-Chloroethoxy)methane	0	3.873	2.75	71	3.77	2.26	60	17	3	3   1	54 ]	40	P
n-Nitrosodi-n-propylamine	1 0	3.873	3.06	79	3.77	2.48	66	18		)   1	39 l	40	P

MS Sample Name : OT3850SAMS SW8270 MSD:

MS LIMS ID: AA81054

Extraction: SW3550 MS Extraction: 10/31/95

Matrix: SO MS Extraction: 13:15 Units: mg/Kg

Neat Sample: AA81053

initial

MS Analysis: 11/20/95

MS Analysis: 17:27

MSD Sample Name: OT3850SAMSD

MSD LIMS ID: AA81055 MSD Extraction: 10/31/95

MSD Extraction: 13:15

MSD Analysis: 11/20/95 MSD Analysis: 18:21

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
1,2,4-Trichlorobenzene	O	3.744	1.91	51	T	3.694	2.09	57		10	Name - 1	44	142	40	PR
1,4-Dichlorobenzene	1 0	3.744	1.63	44	١	3.594	1.8	49	1	11	1	20	124	40	PR
2,4-Dinitrotoluene	l 0	3.744	2.02	54		3.694	1.98	54		1	ı	47	129	40	PR
2-Chiorophenol	l 0	5.616	2.77	49		5.54	2.98	54		9		23	127	40	Į PR
4-Chioro-3-methylphenol	0	5.616	3.26	58	l	5.54	3.33	60		4		39	131	40	PR
4-Nitrophenol	0	5.616	3.72	66	l	5.54	3.96	72		8		0	132	40	PR
Acenaphthene	0	3.744	2.12	57	l	3.694	2.13	58		2	ı	47	135	40	PR
Benz(s)anthracene	0	3.744	2.57	69	l	3.694	2.52	68		1		43	136	40	PR
Benzo(a)pyrene	0	3.744	2.43	65	1	3.694	2.38	64	1	1	l	17	152	40	PR
Butyl benzyl phthalate	0	3.744	2.93	78	l	3.694	2.81	76		3	ı	54	143	40	PR
Hexachlorobenzene	0	3.744	2.56	68	l	3.694	2.54	69		1	ı	42	144	40	PR
Naphthalene	0	3.744	1.86	50	ļ	3.694	2.02	55		10	ŀ	33	127	40	PR
Pentachiorophenol	0	5.616	1.5	27	ŀ	5.54	1.37	25		8	I	14	155	40	PR
Phenol	0	5.616	2.54	45	l	5.54	2.72	49		8		29	112	40	Î PR
Pyrene	0	3.744	3.03	81		3.694	2.8	76		7	l	60	115	40	PR
bis(2-Chloroethoxy)methane	l c	3.744	2.02	54	1	3.694	2.14	58	<b>.</b>	7	l	33	154	40	PR
n-Nitrosodi-n-propytamine	0	3.744	2.14	57	ļ	3.694	2.31	63	I	9	1	0	139	40	PF

MSD: SW8270

MS Sample Name: OT3820SAMS

MSD Sample Name: OT3820SAMSD

initial

MS LIMS ID : AA81059

MSD LIMS ID: AA81060

Extraction: SW3550

Matrix: 50

MS Extraction: 10/31/95

MSD Extraction: 10/31/95 MSD Extraction: 13:15

Units: mg/Kg

MS Extraction: 13:15

MSD Analysis: 11/18/95

Neat Sample : AA81058

MS Analysis: 11/18/95 MS Analysis: 19:20

MSD Analysis: 20:14

Analyte	Original Conc	MS Spike	MS Conc.	MS %	MSD Spike	MSD Conc.	MSD %	RPC	1.	rcr	UCL	RP DC	R
1,2,4-Trichlorobenzene	0	3.78	2.66	70	3.887	2.27	58	19	T	44	142	40	PF
,4-Dichlorobenzene	. 0	3.78	2.26	60	3.887	1.87	48	22	1	20	124	40	PI
2,4-Dinitrotoluerie	1 0	3.78	2.57	68	3.887	2,12	55	22	1	47	129	40	PI
2-Chiorophenol	0	5.67	2.77	49	5.83	3.32	57	15	1	23	127	40	PI
I-Chloro-3-methylphenol	0	5.67	4.46	79	5.83	3.67	63	22		39	131	40	PF
I-Nitrophenol	0	5.67	6.04	107	5.83	4.69	80	28	1	0	132	40	P
Acenaphthene	0	3.78	2.49	66	3.887	2.17	56	17		47	135	40	PF
Benz(a)anthracene	. 0	3.78	3.37	89	3.887	2.77	71	22	1	43	136	40	P
Benzo(a)pyrene	0	3.78	3.24	86	3.887	2.17	56	42	•	17	152	40	P
Butyl benzyl phthalate	1 0	3.78	3.64	96	3.887	3.08	79	19	1	54	143	40	P
Hexachlorobenzene	0	3.78	2.64	70	3.887	2.29	59	17	1	42	144	40	P
Naphthalene	1 0	3.78	2.52	67	3.887	2.19	56	17	1	33	127	40	P
Pentachlorophenoi	0	5.67	3.03	53	5.83	2.24	38	33		14	155	40	P
Phenoi	0	5.67	3.57	63	5.83	3.1	53	17	1	29	112	40	P
<sup>D</sup> yrene	0	3.78	3.69	98	3.887	3.23	83	16		60	115	40	PI
ois(2-Chloroethoxy)methane	0	3.78	2,58	68	3.887	2.17	56	20	1	33	154	40	PI
n-Nitrosodi-n-propylamine	1 0	3.78	2.92	77	3.887	2.37	61	24		l o	139	40	P

#### APPENDIX B-2

#### **GROUNDS MAINTENANCE YARD**

Sample Identification

OT3913SA MSD

OT2920SA MS OT3920SA MSD

OT3930SA MSD

3 - 6010

#### METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 52C81007

Matrix Spike - Lab ID No.: OT3913SA/AA81013

Level: (low/med) LOW

OT3913SAMS/AA81014	SPIKE	SAMPLE	MS	MS		C	ίC	
	ADDED	CONCENTRATION	RATION CONCENTRATION			LI	VIT	S
COMPOUND	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	#	R	EC	
Aluminum			•					
Antimony	43.2	0.00	8.89	21	*	75	•	125
Barium	173	182	377	113		75	•	125
Beryllium	4.32	0.00	5.18	120		75	-	125
Cadmium	4.32	0.00	2.76	64	*	75	-	125
Calcium								
Chromium	17.3	0.00	26.8	155	•	75	-	125
Cobalt	43.2	2.03	44.1	97		75	-	125
Copper	21.6	8.84	25.9	79		75	-	125
Iron								
Magnesium								
Manganese	43.2	406	472	154	•	75	•	125
Molybdenum	43.2	1.86	31.9	70	•	75	-	125
Nickel	43.2	236	271	82		75		125
Potassium								
Silver	8.63	0.00	8.80	102		75	-	125
Sodium								
Thallium	173	0.00	164	95		75	-	125
Vanadium	43.2	5.83	46.2	93		75	-	125
Zinc	43.2	75.1	115	93		75	-	125

Spike Recovery: 5 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

3 - 6010

# METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 52C81007

Matrix Spike - Lab ID No.: OT3913SA/AA81013

Level: (low/med) LOW

OT3913SAMSD/AA81015	SPIKE ADDED	MSD CONCENTRATION	MSD %		*				C NTS	—– S	
COMPOUND	(mg/Kg)	(mg/Kg)	REC.	#	RPD	# F	IPD	RE	C.		•
Aluminum											
Antimony	47.4	8.24	17	•	17		20	75	-	125	_
Barium	189	369	98		14		20	75	-	125	
Beryllium	4.74	5.18	109		9		20	75	-	125	
Cadmium	4.74	3.79	80		22	•	20	75	-	125	_
Calcium											
Chromium	18.9	26.8	141	•	9		20	75	-	125	
Cobalt	47.4	48.3	98		0		20	75	-	125	_
Copper	23.7	28.5	<b>8</b> 3		5		20	75	-	125	
Iron											
Magnesium											
Manganese	47.4	431	53	•	98	*	20	75	-	125	<i></i>
Molybdenum	47.4	34.6	69	•	1		20	75	-	125	
Nickel	47.4	297	130	•	45	*	20	75	-	125	
Potassium											-
Silver	9.5	9.56	101		1		20	75	-	125	
Sodium											
Thallium	189	183	97		2		20	75	-	125	-
Vanadium	47.4	50.9	95		2		20	75	-	125	
Zinc	47.4	124	104		12		20	75	-	125	

Spike Recovery: 5 out of 20 outside limits.

RPD: 3 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

ism3082

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

<sup>\*</sup> Values outside of QC limits.

3 - 6010

### METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 57C81197

Matrix Spike - Lab ID No.: OT3920SA/AA81210

Level: (low/med) LOW

OT3920SAMS/AA81211	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %			QC IMI	
COMPOUND	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	#		REC	
Aluminum			e de la companya de l					
Antimony	45.7	0.00	9.95	22	•	75	-	125
Barium	183	112	438	179	•	75	-	125
Beryllium	4.57	0.00	3.65	80		75	-	125
Cadmium	4.57	0.00	2.10	46	•	75	-	125
Calcium								
Chromium	18.3	7.82	29.2	117		75	-	125
Cobalt	45.7	2.69	45.5	94		75	-	125
Copper	22.8	3.48	33.8	133	٠	75	-	125
Iron								
Magnesium								
Manganese	45.7	328	390	134	*	75	-	125
Molybdenum	45.7	0.00	39.4	86		75	-	125
Nickel	45.7	233	288.9	122		75	-	125
Potassium								
Silver	9.13	0.00	9.22	101		75	-	125
Sodium								
Thallium	183	0.00	177	97		75		125
Vanadium	45.7	10.0	49.1	86		75		125
Zinc	45.7	95.2	139.2	96		75		125

Spike Recovery: 5 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

3 - 6010

# METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 57C81197

Matrix Spike - Lab ID No.: OT3920SA/AA81210

Level: (low/med) LOW

OT3920SAMSD/AA81212	SPIKE	MSD	MSD		•			Q			
COMPONIND	ADDED	CONCENTRATION	% REC.	#	% RPD		RPD	LIM RE			
COMPOUND	(mg/Kg)	(mg/Kg)	NEO.		N, D		NF D		<u>.                                    </u>		-
Aluminum											
Antimony	42.4	8.06	19	*	14		20	75	- 1	125	
Barium	170	307	115		43	*	20	75	- '	125	_
Beryllium	4.24	3.3 <b>9</b>	80		0		20	75	- '	125	
Cadmium	4.24	2.97	70	•	41	*	20	75	- '	125	
Calcium											-
Chromium	17.0	34.8	159	•	30	*	20	75		125	
Cobalt	42.4	43.1	<b>9</b> 5		2		20	75	-	125	
Copper	21.2	31.4	132	*	1		20	75		125	
Iron											
Magnesium		399	166		2.1						
Manganese	42.4	<del>-5174</del>	11,427	•	195	•	20	75	-	ر_ءً1	-
Molybdenum	42.4	33.8	80		8		20	75	-	125	
Nickel	42.4	268	83		38	*	20	75	- '	125	
Potassium											
Silver	8.5	8.48	100		1		20	75	-	125	
Sodium											
Thallium	170	168	99		2		20	75	-	125	
Vanadium	42.4	46.0	85		1		20	75	- '	125	_
Zinc	42.4	126	72	•	28	*	20	75		125	

4P./c/96

Spike Recovery: 6 out of 20 outside limits.

RPD: 6 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium Calcium Potassium Iron Sodium

ism3097A

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

<sup>\*</sup> Values outside of QC limits.

# METALS BY ICP SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 57C81197

Matrix Spike - Lab ID No.: OT3930SA/AA81197

Level: (low/med) LOW

OT3930SAMS/AA81198	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %			ac IMI	
COMPOUND	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	#	F	IE(	<u>).</u>
Aluminum								
Antimony	46.4	2.04	7.80	12	*	75		125
Barium	186	100	296	106		75	-	125
Beryllium	4.64	0.74	5.29	98		75	-	125
Cadmium	4.64	0.00	2.23	48	•	75	-	125
Calcium								
Chromium	18.6	9.56	30.9	115		75		125
Cobait	46.4	4.08	50.5	100		75	-	125
Copper	23.2	9.47	32.3	98		75		125
Iron								
Magnesium								
Manganese	46.4	397	440	94		75		125
Molybdenum	46.4	0.00	31.2	67	*	75	-	125
Nickel	46.4	8.44	57.0	105		75	-	125
Potassium								
Silver	9.28	0.00	9.47	102		75		125
Sodium								
Thallium	186	0.00	199	107		75	-	125
Vanadium	46.4	11.0	55.1	95		75	-	125
Zinc	46.4	18.6	68.8	108		75	-	125

Spike Recovery: 3 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium
Calcium Potassium
Iron Sodium

3 - 6010

# METALS BY ICP CONT. SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc.

Contract: 11-3517-32

Lab Code: LENL-P

Case No.: 11517

SDG No.: 57C81197

Matrix Spike - Lab ID No.: OT3930SA/AA81197

Level: (low/med) LOW

OT3930SAMSD/AA81199	SPIKE ADDED	MSD CONCENTRATION	MSD %		%			LIN	C MITS		
COMPOUND	(mg/Kg)	(mg/Kg)	REC.	#	RPD	#	RPD	RE	C.		-
Aluminum											
Antimony	42.5	4.33	5		79	*	20	75	- 1	25	
Barium	170	292	113		7		20	75		-	_
Beryllium	4.25	4.84	97		2		20				
Cadmium	4.25	1.70	40	•	18		20	75	- 1		
Calcium									•		-
Chromium	17.0	27.9	108		6		20	75	- 1	25	
Cobalt	42.5	46.1	99		1		20	75		25	
Copper	21.2	29.5	95		4		20	75	- 1		-
iron			_				_	. •	•		
Magnesium											
Manganese	42.5	423	62	*	41	*	20	75	- 1		./
Molybdenum	42.5	27.2	64	•	5		20	75			. •
Nickel	42.5	51.4	101		3		20		- 1		
Potassium					_			. •	•		
Silver	8.5	8.83	104		2		20	75	- 1	25	سي
Sodium					_				•		
Thallium	170	181	107		1		20	75	. 1	25	
Vanadium	42.5	49.8	91		4		20	75	-		_
Zinc	42.5	61	99		8		20	-	- 1		

Spike Recovery: 4 out of 20 outside limits.

RPD: 2 out of 20 outside limits.

The following analytes are not included in the ICP spike solution:

Aluminum Magnesium Calcium Potassium Iron Sodium

ism3097

<sup>#</sup> Column to be used to flag recovery and RPD values with an asterisk.

<sup>\*</sup> Values outside of QC limits.

MSD: SW7421

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MS Sample Name: OT3913SAMS

MS LIMS ID: AA81014

Extraction: SW3050

MS Extraction: 11/8/95

Metrix: SO MS Extraction: 08:00 Units: ma/Ka MS Analysis: 12/1/95

Nest Sample : AA81013

MS Analysis: 12:19

MSD Sample Name: OT3913SAMSD

MSD LIMS ID: AA81015

MSD Extraction: 11/8/95

MSD Extraction: 08:00 MSD Analysis: 12/1/95

MSD Analysis: 12:24

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	ದಿಂಡಿ	RC
Lead	6.66	4.400	11.7	114		4.664	12	114		0		75	125	20	PR

MSD: SW7740

MS Sample Name: OT3913SAMS

MSD Sample Name: OT3913SAMSD

اعتلاما

MS LIMS ID: AAB1014

MSD LIMS ID: AAB1015

Extraction: SW3050

MS Extraction: 11/6/95

MSD Extraction: 11/8/95

Matrix: SO

MS Extraction: 08:00

MSD Extraction: 08:00

Units: mg/Kg Neat Sample : AAB1013 MS Analysis : 11/27/95 MŠ Analysis: 20:20

MSD Analysis: 11/27/95 MSD Analysis: 20:25

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD	•	RPD	•	LCL	UCL	S S S	RC
Selenium	0	4.409	1.03	23	Ŀ	4.664	1.29	28	•	17		75	125	20	PR

MSD: \$W7060

MS Sample Name: OT3840SAMS

MSD Sample Name: OT3840SAMSD

Extraction: SW3050

MS LIMS ID: AA81022

MSD LIMS ID: AA81023

MS Extraction: 11/8/95

MSD Extraction: 11/8/95

Matrix: SO

MS Extraction: 08:00

MSD Extraction: 08:00

Units: mg/Kg

MS Analysis: 11/28/95

MSD Analysis: 11/28/95

Neat Sample : AA81021

MS Analysis: 05:15

MSD Analysis: 05:20

Analyte	Original Conc	MS Spike	MS Conc.	MS %	ľ	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
Arsenic	2.87	4.241	5.92	72	ľ	4.163	5.83	71	٦	1		75	125	20	PR

MSD: SW7421 MS Sample Name: OT3840SAMS

MSD Sample Name: OT3840SAMSD

initial

MS LIMS ID : AA81022

MSD LIMS ID: AA81023

Extraction: SW3050

MS Extraction: 11/8/95

MSD Extraction: 11/8/95

Matrix: SO

MS Extraction: 08:00

MSD Extraction: 06:00

Units: mg/Kg

MS Analysis: 12/1/95

MSD Analysis: 12/1/95

Neat Sample: AA81021

MS Analysis: 01:30

MSD Analysis: 01:42

Analyte	Original Conc	MS Spike	MS Conc.	MS %	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LÇL	UCL	800 600	RC
Lead	1,030	4.241	0	430	4.163	0	2470	٠	2	Γ	75	125	20	PR

Law Batch ID: FSB3098

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 57C81197

Concentration Level: LOW

Batch Prep Date: 11/11/95

SDGs included: 57C81197

Samples in Batch	-			
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3930SA	AA81197	10/24/95	SO	N
OT3930SAMS	<b>AA</b> 81198	10/24/95	SO	MS
OT3930SAMSD	<b>AA</b> 81199	10/24/95	SO	SD
OT3909SA	<b>AA8</b> 1200	10/24/95	SO	N
OT3915SA	<b>AA</b> 81201	10/24/95	SO	N
OT3916SA	AA81202	10/24/95	so	N
OT3908SA	AA81203	10/24/95	SO	N
OT3922SA	AA81204	10/24/95	SO	N
OT3927SA	AA81205	10/24/95	SO	N
OT3929SA	AA81206	10/24/95	so	N
OT3912SA	AA81207	10/24/95	so	N
OT3928SA	AA81208	10/24/95	so	N
FDUP07	<b>AA</b> 81209	10/24/95	SO	FD
OT3920SA	<b>AA</b> 81210	10/24/95	SO	N
OT3920SAMS	AA81211	10/24/95	SO	MS
OT3920SAMSD	AA81212	10/24/95	SO	SD
OT3926SA	AA81213	10/24/95	so	N
OT3925SA	<b>AA</b> 81214	10/24/95	SO	N
FDUP08	AA81215	10/24/95	SO	FD
OT3914SA	<b>AA8</b> 1216	10/24/95	so	N
FSB3098	AA82356	11/11/95	SQ	LB
FSL3098	<b>AA8</b> 2357	11/11/95	SQ	BS

MSD: SW7060

initial

MS Sample Name: OT3930SAMS

Extraction: SW3050

Matrix: SO

Units: mg/Kg

Neat Sample : AA81197

MS LIMS ID: AA81198

MS Extraction: 11/11/95 MS Extraction: 11:00

MS Analysis: 11/29/95

MS Analysis: 20:21

MSD Sample Name: OT3930SAMSD

MSD LIMS ID: AA81199

MSD Extraction: 11/11/95

MSD Extraction: 11:00 MSD Analysis: 11/29/95

MSD Analysis: 20:26

Arsenic 2.56 4.572 5.04 5.4 1.4 371 5.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
3.54 3.54 3.54 5.54 65 18	Arsenic	2.56	4.572	5.04	54	•	4.371	5.4	65	٠	18	Γ	75	125	20	PR

MS Sample Name: OT3930SAMS MSD: SW7421

initial

MS LIMS ID : AA81198

MSD Sample Name: OT3930SAMSD MSD LIMS ID: AA81199

MS Extraction: 11/11/95

MSD Extraction: 11/11/95

Extraction: SW3050 Matrix: SO

MS Extraction: 11:00

MSD Extraction: 11:00

Units: mg/Kg

MS Analysis: 12/1/95

MSD Analysis: 12/1/95

Neat Sample: AA81197

MS Analysis: 17:37

MSD Analysis: 17:42

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	유ㅁ넌	RC
Lead	10	4.572	15.1	112		4.371	13.6	82		30	·	75	125	20	PR

MSD: SW7740

MS Sample Name: OT3930SAMS

MSD Sample Name: OT3930SAMSD

initia!

MS LIMS ID: AA81198

MSD LIMS ID: AA81199

Extraction: SW3050

MS Extraction: 11/11/95

MSD Extraction: 11/11/95

Matrix: SO

MS Extraction: 11:00

MSD Extraction: 11:00 MSD Analysis: 11/30/95

Units: mg/Kg Neat Sample: AA81197 MS Analysis: 11/30/95 MS Analysis: 19:39

MSD Analysis: 19:44

	Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	유미년	RC
ĺ	Selenium	0	4.572	1.35	30	•	4.371	1.29	30	•	0		75	125	20	PR

MSD: SW7060 MS Sample Name: OT3920SAMS

MSD Sample Name: OT3920SAMSD

initial

Extraction: SW3050

MS LIMS ID : AA81211

MSD LIMS ID: AA81212

MS Extraction: 11/11/95

MSD Extraction: 11/11/95

Matrix: SO Units: mg/Kg MS Extraction: 11:00

MSD Extraction: 11:00 MSD Analysis: 12/1/95

Neat Sample: AA81210

MS Analysis: 12/1/95 MS Analysis: 03:05

MSD Analysis: 03:10

	Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	유미너	RC
l	Arsenic	1.39	4.365	5.48	94	$oxed{L}$	4.564	5.35	87		8		75	125	20	PR

MSD: SW7421 MS Sample Name: OT3920SAMS

MSD Sample Name: OT3920SAMSD

initial

MS LIMS ID : AA81211

MSD LIMS ID : AA81212

Extraction: SW3050

MS Extraction: 11/11/95

MSD Extraction: 11/11/95

Matrix : SO

MS Extraction: 11:00

MSD Extraction: 11:00

Units: mg/Kg

MS Analysis: 12/1/95

MSD Analysis: 12/1/95

Neat Sample: AA81210

MS Analysis: 20:31

MSD Analysis: 20:36

	Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	ÜCL	유미년	RC
١	Lead	46.7	4.365	56.6	227	٠	4.564	44.2	-55	Ŀ	327		75	125	20	PR

MSD: SW7740 MS Sample Name : OT3920SAMS

MSD Sample Name: OT3920SAMSD

initial

MS LIMS ID : AA81211

MSD LIMS ID: AA81212

Extraction: SW3050

Matrix : SO

MS Extraction: 11/11/95

MSD Extraction: 11/11/95

MS Extraction: 11:00

MSD Extraction: 11:00

Units: mg/Kg

MS Analysis: 12/1/95

MSD Analysis: 12/1/95

Neat Sample: AA81210

MS Analysis: 00:02

MSD Analysis: 00:07

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD	٠	RPD	•	LCL	UCL	유미디	RC
Selenium	0	4.365	0.892	20	•	4.564	0.903	20	Ŀ	3		75	125	20	PR

LCS:

SW7060

Sample Name: FSL3098

initial

LIMS Sample ID: AA82357

Extraction Method: SW3050

Date of Extraction: 11/11/95

Matrix: SQ

Time of Extraction: 11:00

Units: mg/Kg

Date of Analysis: 11/29/95

Time of Analysis: 19:42

Analyte	LCS Spike	LCS Conc.	LCS %	•	rcr	UCL	RC
Arsenic	5	5.03	101		80	120	PR

LCS: SW7421 Sample Name: FSL3098

initial

LIMS Sample ID: AA82357

Extraction Method: SW3050

Date of Extraction: 11/11/95

Matrix: SQ Units: mg/Kg Time of Extraction: 11:00 Date of Analysis: 12/1/95

Time of Analysis: 17:20

Analyte	LCS Spike	LCS Conc.	LCS %	•	LCL	UCL	RC
Lead	5	5.03	101		80	120	PR

LCS:

SW7740

Sample Name: FSL3098

initial

Extraction Method: SW3050

LIMS Sample ID: AA82357

Matrix: SQ

Date of Extraction: 11/11/95

Time of Extraction: 11:00

Units: mg/Kg

Date of Analysis: 11/30/95

Time of Analysis: 17:25

Analyte	LCS Spike	LCS Conc.	LCS %	•	LCL	UCL	RC
Selenium	5	5.04	101		80	120	PR

Law Batch ID: HGSB0488

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 52C81007

Concentration Level: LOW

Batch Prep Date: 11/3/95

SDGs Included: 52C81007

Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3905SA	AA81007	10/23/95	SO	N
OT3918SA	AA81008	10/23/95	SO	N
OT3910SA	AA81009	10/23/95	SO	N
OT3917SA	AA81010	10/23/95	so	N
FDUP-06	AA81011	10/23/95	SO	FD
OT3911SA	AA81012	10/23/95	SO	N
OT39135A	AA81013	10/23/95	SO	N
OT3913SAMS	AA81014	10/23/95	SO	MS
OT3913SAMSD	AA81015	10/23/95	SO	SD
OT3845SA	AA81016	10/23/95	SO	N
OT3842SA	AA81017	10/23/95	SO	N
OT3827SA	AA81018	10/23/95	SO	N
OT3825SA	AA81019	10/23/95	so	N
OT3832SA	AA81020	10/23/95	SO	N
OT3840SA	AA81021	10/23/95	SO	N
OT3840SAMS	AA81022	10/23/95	SO	MS
OT3840SAMSD	AA81023	10/23/95	SO	SD
FDUP-02	AA81024	10/23/95	SO	FD
OT3844SA	AA81025	10/23/95	SO	N
OT3824SA	AA81026	10/23/95	SO	N
HGSB0488	AA81457	11/3/95	SQ	LB
HGSL0488	AA81458	11/3/95	SQ	BS

MSD: SW7471

initial

MS Sample Name: OT3913SAMS

MS LIMS ID: AA81014

Extraction: NONE MS Extraction:

Matrix: SO

Units: mg/Kg

Neat Sample : AA81013

MS Extraction:

MS Analysis: 13:37

MS Analysis: 11/3/95

MSD Sample Name: OT3913SAMSD

MSD LIMS ID: AA81015

MSD Extraction :

MSD Extraction:

MSD Analysis: 11/3/95

MSD Analysis: 13:39

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	LCL	UCL	RP DL	RC
Mercury	0	0.475	0.499	105		0.556	0.574	103	Г	2	75	125	20	PR

Law Batch ID: HGSB0493

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 57C81197

Concentration Level: LOW

Batch Prep Date: 11/6/95

SDGs Included: 57C81197 58C81217

Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3930SA	AA81197	10/24/95	SO	N
OT3930SAMS	AA81198	10/24/95	SO	MS
OT3930SAMSD	AA81199	10/24/95	SO	SD
OT3909SA	AA81200	10/24/95	so	N
OT3915SA	AA81201	10/24/95	SO	N
OT3916SA	AA81202	10/24/95	SO	N
OT3908SA	AA81203	10/24/95	SO	N
OT3922SA	AA81204	10/24/95	so	N
OT3927SA	AA81205	10/24/95	SO	N
OT3929SA	AA81206	10/24/95	SO	N
OT3912SA	AA81207	10/24/95	SO	N
OT3928SA	AA81208	10/24/95	SO	N
FDUP07	AA81209	10/24/95	SO	FD
OT3920SA	AA81210	10/24/95	SO	N
OT3920SAMS	AA81211	10/24/95	SO	MS
OT3920SAMSD	AA81212	10/24/95	SO	SD
OT3926SA	AA81213	10/24/95	SO	N
OT3925SA	AA81214	10/24/95	SO	N
FDUP08	AA81215	10/24/95	SO	FD
OT3914SA	AA81216	10/24/95	so	N
HGSB0493	AA82352	11/7/95	SQ	LB
HGSL0493	AA82353	11/7/95	sq	BS

MSD: SW7471

Extraction: NONE

Neat Sample: AA81197

initial

MS Sample Name: OT3930SAMS

MS LIMS ID: AA81198

MS Extraction:

Matrix: SO

MS Extraction:

Units: mg/Kg

MS Analysis: 11/7/95

MS Analysis: 13:22

MSD Sample Name: OT3930SAMSD

MSD LIMS ID: AA81199

MSD Extraction :

MSD Extraction:

MSD Analysis: 11/7/95

MSD Analysis: 13:24

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	<b>LC</b> L	UCL	RP CL	RC
Mercury	0	0.594	0.561	95		0.55	0.537	98		3		75	125	20	PR

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### Law Engineering and Environmental Services, Inc. National Laboratories - Pensacola

MSD: SW7471 MS Sample Name: OT3920SAMS

MSD Sample Name: OT3920SAMSD

initial

MS LIMS ID : AA81211

MSD LIMS ID: AA81212

Extraction: NONE

MSD Extraction:

Matrix: SO

MS Extraction:

MS Extraction:

MSD Extraction:

Units: mg/Kg

MS Analysis: 11/7/95

MSD Analysis: 11/7/95

Neat Sample: AA81210

MS Analysis: 13:52

MSD Analysis: 13:54

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	Ī	LCL	UCL	RP D CL	RC
Mercury	0	0.567	0.528	93		0.525	0.496	95		1		75	125	20	PR

LCS :

SW7471

Sample Name: HG\$L0493

initial

Extraction Method: NONE

LIMS Sample ID: AA82353

Date of Extraction:

Matrix: SQ

Time of Extraction:

Units: mg/Kg

Date of Analysis: 11/7/95

Time of Analysis: 13:18

Analyte	LCS Spike	LCS Conc.	LCS %	•	LCL	UCL	RC
Mercury	0.469	0.443	94		80	120	PR

MSD: SWE240

MS Sample Name: OT3913SAMS

MSD Sample Name: OT3013SAMSD

Initial

MS L

MS LIMS ID : AAB1014

MSD LIMS ID: AAB1015

Extraction: NONE

MS Extraction :

MSD Extraction :

Matrix: SO

MS Extraction :

MSD Edracion :

Units : mg/Kg Next Sample : AA81013

MS Analysis: 10/30/95

MS Analysis : 09:06

MSD Analysis: 10/30/95

MSD Analysis: 08:36

Analyte	Original Conc	MS Spike	MS Conc.	MS ×	•	MSD Spike	MSO Conc.	MSD	APO	•	rcr	UCL	S D C	RC
1,1,1-Trichloroethane 1,1-Dichloroethene Benzare Chlorobenzare Chloroform Dibromochloromethane Ethylbenzare Tetrachloroethene Toluene Trichloroethene	0 0 0 0 0 0 0 0.0125	0.061 0.061 0.061 0.061 0.061 0.061 0.061 0.061	0.0633 0.0647 0.0633 0.0594 0.0623 0.0561 0.0629 0.0539 0.0825	104 105 104 97 102 92 103 88 115		0.0505 0.0805 0.0805 0.0805 0.0805 0.0805 0.0805 0.0805	0.0588 0.058 0.0595 0.0572 0.0584 0.0546 0.0598 0.0592 0.0624 0.0591	97 96 98 95 97 90 99 83 82 83	7 10 8 3 8 2 4 8 33		69 69 65 73 63 64 72 66 73 76	127 122 124 127 117 120 125 116 122	22222222	PR PR PR PR PR PR PR

MSD: SW8240

MS Sample Name: OT3840SAMS

MSD Sample Name: OT3840SAMSD

Initial

MS LIMS ID : AA81022

MSD LIMS ID: AA81023

Extraction : NONE

MS Extraction:

MSD Extraction:

Matrix : SO Units : mg/Kg

MS Extraction:

MSD Extraction :

Neat Sample : AA81021

MS Analysis: 10/30/95

MSD Analysis: 19/30/95

mple: AA81021 MS Analysis: 10:03

MSD Analysis: 10:30

Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD	•	RPO	•	LCL	UCL	유	RC
1.1,1-Trichloroethane 1.1-Dichloroethene Benzene Chloroform Dibromochloromethane Ethylbenzene Tetrachloroethene Toluene Trichloroethene	0 0 0 0 0 0 0 0 0 0	0.0557 0.0557 0.0557 0.0557 0.0557 0.0557 0.0557 0.0557 0.0557	0.0496 0.0548 0.0534 0.0537 0.0533 0.0469 0.0516 0.0349 0.0522 0.0509	89 98 96 97 96 84 93 63 92	•	0.0552 0.0552 0.0552 0.0552 0.0552 0.0552 0.0552 0.0552 0.0552 0.0552	0.0471 0.0508 0.0505 0.0504 0.0512 0.0465 0.0494 0.0312 0.0627 0.0483	85 92 92 91 93 84 90 57 111	•	4 7 8 6 3 0 4 10		69 69 68 73 63 64 72 66 73 76	127 122 124 127 117 120 125 116 122 117	4444444444	PR PR PR PR PR PR PR

MSD: SW8240

MS Sample Name: OT3930SAMS

MSD Sample Name: OT3930SAMSD

initial

MS LIMS ID: AA81198

MSD LIMS ID: AAB1 199

Extraction: NONE

MSD Extraction:

MS Extraction:

Matrix: SO

MS Extraction:

MSD Extraction:

Units: mg/Kg

MS Analysis: 11/6/95

MSD Analysis: 11/6/95

Neat Sample : AA81197

MS Analysis: 06:23

MSD Analysis: 06:50

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	ÚCL.	RP D CL	RC
1.1.1-Trichloroethane	0	0.0625	0.067	107	Г	0.0629	0.0656	104		3		69	127	40	PR
1,1-Dichloroethene	1 0	0.0625	0.0635	102	1	0.0629	0.0631	100		2		69	122	40	PR
Benzene	l o	0.0525	0.0661	106	l	0.0629	0.065	103		3		68	124	40	PR
Chlorobenzene	ìo	0.0525	0.0603	96	1	0.0629	0.0504	96		0		73	127	40	PR
Chloroform	0	0.0625	0.0657	105	ĺ	0.0629	0.065	103		2		63	117	40	PR
Dibromochloromethane	1 0	0.0625	0.0567	91	ı	0.0629	0.0612	97		7		64	120	40	PR
Ethylbenzene	ة ا	0.0625	0.0647	103	!	0.0629	0.0648	103		0		72	125	40	PR
Tetrachioroethene	0.00358	0.0625	0.0618	93	l	0.0629	0.0622	93		0		66	116	40	PR
Toluene	0.0023	0.0625	0.0682	105		0.0629	0.0679	104		1		73	122	40	PR
Trichloroethene	0	0.0625	0.0655	105		0.0629	0.0642	102	١,	3	ļ	76	117	40	PR

MSD:

SW8240

MS Sample Name: OT3920SAMS

MSD Sample Name: OT3920SAMSD

initial

MS LIMS ID: AA81211

MSD LIMS ID: AA81212

Extraction: NONE

MS Extraction:

MSD Extraction:

Matrix: SO Units: mg/Kg

MS Extraction:

MSD Extraction:

Neat Sample: AA81210

MS Analysis: 11/6/95 MS Analysis: 07:17

MSD Analysis: 11/8/95 MSD Analysis: 07:43

Analyte Original MS MS MSD MSD MSD RPD LCL UCL RP RC Spike Conc. Conc Spike Conc. ÇL 1,1,1-Trichloroethane 0.0603 0.0608 101 0.0607 0.0635 105 PR 0 69 127 40 1,1-Dichloroethene 0.0603 0.0585 0.0607 0.0619 102 40 PR 69 122 Benzene 0.0603 0.062 0.0607 0.0647 PR ٥ 103 107 4 68 124 40 0.0603 0.0586 Chlorobenzene 0 0.0579 96 0.0607 97 73 127 40 PR Chloroform 0.0603 0.062 103 0.0607 0.0636 PR 105 2 63 40 117 Dibromochloromethane 0.0603 0.0554 92 0.0607 0.0544 90 2 64 40 PR ٥ 120 Ethylbenzene 0 0.0603 0.0604 100 0.0607 0.0618 102 2 72 125 40 PR Tetrachloroethene 0.0603 0.0528 0.0607 0.0538 1 PR 88 89 66 116 40 Toluene 0.00344 0.0603 0.0615 96 0.0607 0.0605 94 2 PR 73 122 40 Trichloroethene 0.0603 0.0591 0.0607 0 98 0.0597 98 76 117 40 PR

MSD: SWIZ70

MS Sample Name: OT3913SAMS

MSD Sample Name: OT3913SAMSD

initial

MS LIMS ID: AA81014

MSD LIMS ID: AAB1015

Extraction: SW3550

MSD Extraction: 11/2/95

Matrix: SO

MS Extraction: 11/2/95

Units: mg/Kg

MS Extraction: 11:05

MSD Extraction: 11:05

Nest Sample: AA81013

MS Analysis: 11/12/95

MSD Analysis: 11/12/95

MS Analysis: 00:56

MSD Analysis: 08:50

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD		ıcı	ncr	පිංරු	RC
1,2,4-Trichlorobenzene	0	4.073	2.45	60	Г	4.104	2.33	57	Г		Г	44	142	40	PR
1,4-Dichlorobenzene	1 0	4.073	2,11	52	1	4.104	1.99	49		7		20	124	40	PR
2,4-Dinitrotoluene	0	4.073	2.26	56		4.104	2.31	56		1		47	129	40	PR
2-Chlorophenol	1 0	6.11	3.72	61		6.156	3.42	56				23	127	40	PR
4-Chloro-3-methylphenol	1 0	6.11	4.04	66		6.156	3.94	64		3		39	131	40	PR
4-Nitrophenol	0	6.11	3.34	55		6.156	3.63	59				0	132	40	PR
Acenaphthene	1 0	4.073	2.66	65		4.104	2.53	62		8		47	135	40	PR
Benz(a)anthracene	0	4,073	3.01	74		4.104	2.95	72		3	1	43	136	40	PR
Benzo(a)pyrene	1 0	4.073	3.56	87		4.104	3.59	88		0	1	17	152	40	PR
Butyl benzyl phthalate	i o	4.073	3.6	88		4.104	3.53	86		3	1	54	143	40	PR
Hexachlorobenzene	1 0	4.073	3.01	74		4.104	3	73		1		42	144	40	PR
Naphthalene	1 0	4.073	2.41	59		4.104	2.28	56		6		33	127	40	PR
Pentachlorophenol	l ō	6.11	2.63	43		8.158	2.52	41		5		14	155	40	PR
Phenol	l o	6.11	3.49	57		6.156	3.42	56	1	l 3		29	112	40	PR
Pyrene	l ŏ	4.073	4.18	103		4.104	4.09	100	I	1 3	1	60	115	40	PR
bis(2-Chloroethoxy)methane	l ŏ	4.073	2.52	62		4.104	2.47	80		1 3	1	33	154	40	PR
n-Nitrosodi-n-propylamine	0	4.073	2.73	67		4.104	2.72	66		1	ı	0	139	40	PR

MSD: SW8270

MS Sample Name: OT3840SAMS

MSD Sample Name: OT3840SAMSD

initial Extraction: SW3550 MS LIMS ID: AA81022

MSD LIMS ID: AAB1023

MS Extraction: 11/2/95

MSD Extraction: 11/2/95

Matrix: SO MS Extraction: 11:05

MSD Extraction: 11:05

Units: mg/Kg MS Analysis: 11/12/95

MSD Analysis: 11/12/95

Neat Sample : AA81021

MS Analysis: 16:09

MSD Analysis: 17:03

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	ľ	LCL	UCL	유미너	RC
1.2.4-Trichlorobenzene	0	3.676	2.48	68	Г	3.64	2.04	56		19	┢	44	142	40	PR
1,4-Dichlorobenzene	0	3.576	2.14	58		3.64	1.65	45		25	l	20	124	40	PR
2,4-Dinitrotoluene	1 0	3.576	0.911	25	•	3.64	0.674	19	•	29	ı	47	129	40	PR
2-Chlorophenol	0	5.513	3.73	68		5.46	3.02	55		20	ı	23	127	40	PR
4-Chloro-3-methylphenol	0	5.513	4.16	76	i	5.46	3.62	86		13	ı	39	131	40	PR
4-Nitrophenol	0	5.513	2.49	45		5.48	1.77	32		33	ı	6	132	40	PR
Acenaphthene	0	3.676	2.53	69	1	3.64	2.11	58		17	ĺ	47	135	40	PR
Benz(a)anthracene	0	3.676	3	82		3.64	2.5	69		17	ı	43	136	40	PR
Benzo(a)pyrene	0	3.676	3.64	99	l	3.64	3.09	85		15	ı	17	152	40	PR
Butyl benzyl phthalate	. 0	3.676	4.06	110		3.64	3.99	110		0	ı	54	143	40	PR
Hexachlorobenzene	. 0	3.676	3.06	83	l	3.64	2.77	76			ı	42	144	40	PR
Naphthalene	0	3.576	2.46	67		3.64	2.03	56		18	ı	33	127	40	PR
Pentachiorophenol	0	5.513	2.7	49		5.46	2.26	41		17	1	14	155	40	PR
Phenol	0	5.513	3.46	63		5.46	2.86	52		18	l	20	112	40	PR
Pyrene	0.0732	3.576	4.58	131	•	3.64	4.89	132	•	1		60	115	40	PR
bis(2-Chloroethoxy)methane	0	3.676	2.51	71		3,64	2.12	58		200		33	154	40	PR
n-Nitrosodi-n-propylamine	0	3.576	2.68	73	ł	3.64	2.22	61		18	I	~	139	40	PR

SW8270 MSD :

MS Sample Name: OT3930SAMS

initial

MS LIMS ID: AAB1198

Extraction: SW3550

MS Extraction: 11/5/95

Matrix: SQ

MS Extraction: 17:00

Units: mg/Kg

MS Analysis: 11/27/95

Nest Sample : AA81197

MS Analysis: 16:26

MSD Sample Name: OT3930SAMSD

MSD LIMS ID: AA81199

MSD Extraction: 11/5/95

MSD Extraction: 17:00

MSD Analysis: 11/27/95

MSD Analysis: 17:21

Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	유미년	RC
1,2,4-Trichlorobenzene	0	4.05	2.55	63	✝	3.815	2.77	73	1	14	Г	44	142	40	PR
1,4-Dichlorobenzene	1 0	4.05	2.27	56	ı	3.815	2.43	64	İ	13		20	124	40	PR
2,4-Dinitrotoluene	l o	4.05	2.74	68	l	3.815	2.93	77	l	13		47	129	40	PR
2-Chlorophenol	Ø	6.076	3.74	62	ı	5.722	3.97	69	l	12		23	127	40	PR
4-Chioro-3-methylphenol	Ø	6.076	4.07	67	i i	5.722	4.45	78	l	15	1	39	131	40	PR
4-Nitrophenol	1 0	6.076	5.73	94	ì	5.722	6,37	111	]	16	1	0	132	40	PR
Acenaphthene	1 0	4.05	2.74	68	1	3.815	2.97	78	ĺ	14		47	135	40	PR
Benz(a)anthracens	1 0	4.05	3.04	75	<b>!</b>	3.815	3.29	86	1	14	1	43	136	40	PR
Benzo(a)pyrene	Ισ	4.05	2.26	56	1	3.815	2.42	63	l	13	ı	17	152	40	PR
Butyl benzyl phthalate	0.156	4.05	2.88	67	l	3.815	3.14	78	ļ	15	l	54	143	40	PR
Hexachlorobenzene	1 0	4.05	3.05	75	ı	3.815	3.27	86	1	13		42	144	40	PR
Naphthalene	0	4.05	2.56	63		3.815	2,74	72		13		33	127	40	PR
Pentachlorophenol	1 0	6.075	2.57	42	1	5.722	2.95	52	1	20	1	-14	155	40	PR
Phenoi	0	6.075	3.56	59	ı	5.722	3.8	66		12		29	112	40	PR
Pyrene	lo	4.05	3.15	78	1	3.815	3.38	89	l	13	ł	60	115	40	PR
bis(2-Chloroethoxy)methane	١٥	4.05	2.58	64	1	3.815	2.94	77	1	19	l	33	154	40	PR
n-Nitrosodi-n-propylamine	1 0	4.05	2.85	70	l	3.815	3.13	1 82	l	15	Į	٥	139	40	PR

initial

MSD: SW8270

MS Sample Name: OT3920SAMS

MS LIMS 10: AA81211

Extraction: SW3550

MS Extraction: 11/5/95

Matrix: \$0

MS Extraction: 17:00

Units: mg/Kg Neat Sample: AA81210 MS Analysis: 11/28/95

MS Analysis: 15:49

MSD Sample Name: OT3920SAMSD

MSD LIMS ID: AA81212

MSD Extraction: 11/5/95

MSD Extraction: 17:00

MSD Analysis: 11/28/95 MSD Analysis: 16:45

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD	•	RPD	•	LCL	UCL	유미년	RC
1,2,4-Trichtorobenzene	0	3.97	1.91	48	Π	3.959	1.8	46		6		44	142	40	PF
1,4-Dichlorobenzene	0	3.97	1.62	41		3.959	1.54	39		5		20	124	40	PR
2,4-Dinitrotoluene	0	3.97	1.58	40	•	3.959	1,4	35	٠	12	l	47	129	40	PR
2-Chlorophenol	) 0	5.955	2.73	45		5.939	2.62	44		4	ļ	23	127	40	PR
4-Chioro-3-methylphenol	0	5.955	2,87	48		5.939	2.96	50		3		39	131	40	PR
4-Nitrophenol	0	5.955	2.49	42	1	5.939	3.59	60		36	ì	0	132	40	PR
Acenaphthene	0	3.97	2.19	55	1	3.959	2.13	54		3		47	135	40	PR
Benz(a)anthracene	1 0	3.97	2.35	59		3.959	2.37	60		1		43	136	40	PR
Benzo(a)pyrene	0.0419	3.97	2.23	55	l	3.959	2.06	51		8		17	152	40	PR
Butyl benzyi phthalate	0	3.97	2.81	71		3.959	2.95	75		5		54	143	40	PR
Hexachlorobenzene	0	3.97	2.59	65	1	3.959	2.52	64		2		42	144	40	PF
Naphthaiene	0.0774	3.97	2.1	51	1	3.959	1.84	45		14	ŀ	33	127	40	PF
Pentachlorophenol	} 0	5,955	1,11	19	1	5.939	0.529	9	٠.	70	١٠	14	155	40	PF
Phenol	0	5.955	2.68	45	1	5.939	2.56	43	1	4	ĺ	29	112	40	PF
Pyrane	0.0889	3.97	3.41	84	Į	3.959	3.35	82	l	2	l	60	115	40	PF
bis(2-Chloroethoxy)methane	0	3.97	1.92	48		3.959	1.77	45	l	8		33	154	40	PF
n-Nitrosodi-n-propylamine	O	3.97	2.04	51		3.959	1.92	49		6	ŀ	0	139	40	PF

Law Batch ID: PPSB7431

Project Name: CARSWELL SOIL

Concentration Level: LOW

Project Number: 11-3517

Batch Prep Date: 10/27/95

SDG Number: 52C81007

SDGs Included: 52C81007 53C81027

1	Samples in Batch	<del></del>				
	Sample ID	LIMS ID	Sampled	Matrix	SACODE	
	OT3905\$A	AA81007	10/23/95	SO	N	
	OT3918SA	AA81008	10/23/95	SO	N	
	OT3910SA	AA81009	10/23/95	SO	N	
	OT3917SA	AA81010	10/23/95	SO	N	
	FDUP-06	AA81011	10/23/95	SO	FD	
	OT3911SA	AA81012	10/23/95	SO	N	
	OT3913SA	AA81013	10/23/95	SO	N	
	OT3913SAMS	AA81014	10/23/95	SO	MS	
	OT3913SAMSD	AA81015	10/23/95	SO	SD	
	PPSB7431	AA81901	10/27/95	SQ	LB	
	PPSL7431	AA81902	10/27/95	SQ	BS	

MSD: SW8080 MS Sample Name: OT3913SAMS

initial MS LIMS ID: AA81014

Extraction: SW3550

Matrix: SO

MS Extraction: 10/27/95

MS Extraction: 16:05 Units: mg/Kg MS Analysis: 11/18/95 Neat Sample: AA81013

MS Analysis: 03:10

MSD Sample Name: OT3913SAMSD

MSD LIMS ID: AA81015 MSD Extraction: 10/27/95 MSD Extraction: 16:05

MSD Analysis: 11/18/95 MSD Analysis: 03:57

Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	RP D CL	RC
4,4'-DDT	0	0.0415	0.0428	103	1	0.0405	0.0422	104	Г	1		32	160	40	PR
AR1016	0	0.415	0.354	85	1 1	0.405	0.335	83	i	3		50	114	40	PR
AR1260	0	0.415	0.408	98		0.405	0.395	97	l	1		8	127	40	PR
Aldrin	0	0.0166	0.0142	86	Ho	0.0162	0.0142	88		2		42	122	40	PR
Dieldrin	0	0.0415	0.039	94	1 10	0.0405	0.0388	96	l	2		40	146	40	PR
Endrin	0	0.0415	0.0295	71	Ho	0.0405	0.0311	77	l	7		33	147	40	PR
Heptachfor	0	0.0166	0.0149	90	1 10	0.0162	0.0146	90		0		34	111	40	PR
gamma-BHC (Lindane)	0	0.0166	0.0142	86	H	0.0162	0.0142	88	İ	2		32	127	40	PR

MSD: SW8080

MS Sample Name : OT3913SAMS

MSD Sample Name: OT3913SAMSD

2nd column

N

MS LIMS ID : AA81014

MSD LIMS ID: AA81015

Extraction : SW3550

MS Extraction: 10/27/95

M3D LIMS ID : 7001010

Matrix : SO

\_\_\_\_\_

MSD Extraction: 10/27/95

Matrix: 50

MS Extraction: 16:05

MSD Extraction: 16:05

Units : mg/Kg

MS Analysis : 11/18/95

MSD Analysis: 11/18/95

Neat Sample : AA81013

MS Analysis: 03:10

MSD Analysis: 03:57

Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
4,4'-DDT	0	0.0415	0.0555	134	Г	0.0405	0.0572	141		5		32	160	40	2C
AR1016	0	0.415	0.386	93		0.405	0.374	92		1		50	114	40	2C
AR1260	0	0.415	0.335	81		0.405	0.336	83		3		8	127	40	2C
Aldrin	0	0.0166	0.0145	87	1	0.0162	0.0153	94		8	Ì	42	122	40	2C
Dieldrin	1 0	0.0415	0.0422	102	ľ	0.0405	0.0399	98		4		40	146	40	2C
Endrin	0	0.0415	0.0338	82		0.0405	0.032	79		3		33	147	40	2C
Heptachlor	) 0	0.0166	0.0152	92		0.0152	0.0149	92		0		34	111	40	2C
gamma-BHC (Lindane)	1 0	0.0166	0.0145	87	1	0.0162	0.0139	86		2		32	127	40	2C

LCS:

SW8080

Sample Name : PPSL7431

initial

LIMS Sample ID: AA81902

Extraction Method: SW3550

Date of Extraction: 10/27/95

Matrix: SQ

Time of Extraction: 16:05

Units: mg/Kg

Date of Analysis: 11/17/95

Time of Analysis: 10:39

Analyte	LCS Spike	LCS Conc.	LCS %	•	LCL	ncr	RC
4,4'-DDD	0.0133	0.0113	85		36	141	PR
4,4'-DDE	0.0133	0.0108	81	) '	30	145	PR
4,4'-DDT	0.0133	0.0108	81		32	160	PR
AR1016	0.333	0.202	61		50	114	PR
AR1260	0.333	0.239	72	1	8	127	PR
Aldrin	0.00667	0.0047	71		42	122	PR
Dieldrin	0.0133	0.0115	86	[	40	146	PR
Endosulfan I	0.00667	0.00411	62	1	45	153	PR
Endosulfan II	0.0133	0.0128	96		32	161	PR
Endosulfan sulfate	0.0133	0.00976	73		26	144	PR
Endrin	0.0133	0.0107	80		33	147	PR
Endrin aldehyde	0.0133	0.00965	72		26	172	PR
Heptachior	0.00667	0.0051	77	<b>,</b>	34	111	PR
Heptachlor epoxide	0.00667	0.00588	88		37	142	PR
Methoxychlor	0.0667	0.0581	87		31	190	PR
alpha-BHC	0.00667	0.00443	66	1	37	134	PR
beta-BHC	0.00667	0.00705	106		26	147	PR
delta-BHC	0.00667	0.0042	63		20	140	PR
gamma-BHC (Lindane)	0.00667	0.00476	71	]	32	127	PR

Law Batch ID: PPSB7459

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 57C81197

Concentration Level: LOW

Batch Prep Date: 11/1/95

SDGs included: 57C81197

Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3930SA	AA81197	10/24/95	SO	N
OT3930SAMS	AA81198	10/24/95	SO	MS
OT3930SAMSD	AA81199	10/24/95	SO	SD
OT3909SA	AA81200	10/24/95	SO	N
OT3915SA	AA81201	10/24/95	so	N
OT3916SA	<b>AA8</b> 1202	10/24/95	SO	N
OT3908SA	<b>AA8</b> 1203	10/24/95	SO	N
OT3922SA	<b>AA8</b> 1204	10/24/95	so	N
OT3927SA	AA81205	10/24/95	SO	N
OT3929SA	AA81206	10/24/95	SO	N
OT3912SA	AA81207	10/24/95	\$O	N
OT3928SA	AA81208	10/24/95	so	N
FDUP07	AA81209	10/24/95	so	FD
OT3920SA	AA81210	10/24/95	so	N
OT3920SAMS	AA81211	10/24/95	\$O	MS
OT3920SAMSD	AA81212	10/24/95	so	SD
OT3926SA	AA81213	10/24/95	so	N
OT3925SA	AA81214	10/24/95	so	N
FDUP08	AA81215	10/24/95	so	FD
OT3914SA	AA81216	10/24/95	so	N
PPSB7459	AA82360	11/1/95	SQ	LB
PPSL7459	AA82361	11/1/95	SQ	BS

MSD: SW8080 MS Sample Name: OT3930SAMS MS LIMS ID : AA81198

Extraction: SW3550 MS Extraction: 11/1/95

Matrix: SO MS Extraction: 11:45 Units: mg/Kg MS Analysis: 11/30/95

Neat Sample: AA81197

MS Analysis: 01:07

MSD Sample Name: OT3930SAMSD

MSD LIMS ID: AA81199 MSD Extraction: 11/1/95

MSD Extraction: 11:45 MSD Analysis: 11/30/95

MSD Analysis: 01:54

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %		RPD	ľ	LCL	UCL	RP DCL	RC
4.4'-DDT	0	0.0408	0.0378	93		0.0384	0.0369	96	Î	4	_	32	160	40	PR
AR1016	lo	0.408	0.279	68		0.384	0.287	75		و ا	l	50	114	40	PR
AR1250	lo	0.408	0.34	83		0.384	0.304	79		5		8	127	40	PR
Aldrin	) o	0.0163	0.0111	68	1	0.0154	0.0115	75		10	i	42	122	40	PR
Dieldrin	l o	0.0408	0.0333	82		0.0384	0.0332	86		6	1	40	146	40	PR
Endrin	l o	0.0408	0.0253	62		0.0384	0.0242	63		1 5		33	147	40	10
Heptachlor	ا آ	0.0163	0.0127	78		0.0154	0.0128	83		1 7		34	111	40	PR
gamma-BHC (Lindane)	lo	0.0163	0.0112	69		0.0154	0.012	78		13		32	127	40	PR

MSD: SW8080

MS Sample Name: OT3930SAMS

MSD Sample Name: OT3930SAMSD

2nd column

MS LIMS ID : AA81198

MSD LIMS ID: AA81199

Extraction: SW3550

MS Extraction: 11/1/95

MSD Extraction: 11/1/95

Matrix: SO

MS Extraction: 11:45

MSD Extraction: 11:45

Units: mg/Kg

MS Analysis: 11/30/95

MSD Analysis: 11/30/95

Neat Sample: AA81197

MS Analysis: 01:07

MSD Analysis: 01:54

Analyte	Original Conc	MS Spike	MS Conc.	MS %		MSD Spike	MSD Conc.	MSD %		RPD	•	S	UCL	RP CL	RC
4.4'-DDT	0	0.0408	0.0384	94	П	0.0384	0.0375	96	Π	4		32	160	40	2C
AR1016	ا	0.408	0.305	75	ı	0.384	0.303	79		5		50	114	40	2C
AR1260	i o	0.408	0.299	73	1	0.384	0.316	82		12		8	127	40	2C
Aldrin	0	0.0163	0.0124	78		0.0154	0.0123	80		5	1	42	122	40	2C
Dieldrin	1 0	0.0408	0.0374	92	1	0.0384	0.0354	92		1	1	40	146	40	2C
Endrin	l o	0.0408	0.0277	68	ļ	0.0384	0.0261	68		0		33	147	40	PR
Heptachlor	\ 0	0.0153	0.0132	81	1	0.0154	0.0129	84	1	4	1	34	111	40	2C
gamma-BHC (Lindane)	0	0.0153	0.012	74	1	0.0154	0.0124	81	1	9		32	127	40	2C

MSD:

SW8080

MS Sample Name: OT3920SAMS

MSD Sample Name: OT3920SAMSD

initial

Extraction: SW3550

MS LIMS ID: AA81211

MSD LIMS ID: AA81212

MS Extraction: 11/1/95

MSD Extraction: 11/1/95

Matrix: SO Units: mg/Kg MS Extraction: 11:45

MSD Extraction: 11:45 MSD Analysis: 11/30/95

Neat Sample: AA81210

MS Analysis: 11/30/95 MS Analysis: 02:41

MSD Analysis: 03:28

Analyte	Original Conc	MS Spike	MS Conc.	WS.	•	MSD Spike	MSD Conc.	MSD %		RPD	•	LCL	UCL	유미년	RC
4,4'-DDT	0.0134	0.0397	0.0439	77		0.0399	0.0414	70	П	9		32	160	40	PR
AR1016	0	0.397	0.331	83		0.399	0.298	75		11	l	50	114	40	PR
AR1260	0	0.397	0.422	106	l	0.399	0.403	101		5		8	127	40	PR
Aldrin	1 0	0.0159	0.0124	78	1	0.016	0.0129	81	1	3	l	42	122	40	PR
Dieldrin	\ o	0.0397	0.0353	89	1	0.0399	0.034	85	1	4	l	40	146	40	PR
Endrin	1 0	0.0397	0.0287	72	l	0.0399	0.0263	66	1	9	l	33	147	40	1C
Heptachlor	lo	0.0159	0.0133	84	ļ	0.016	0.0138	86	1	3	<b>!</b>	34	111	40	PR
gamma-BHC (Lindane)	0	0.0159	0.012	76		0.016	0.0127	80		5		32	127	40	PR

MSD: SWB080

MS Sample Name: OT3920SAMS

MSD Sample Name: OT3920SAMSD

2nd column

MS LIMS ID: AA81211

MSD LIMS ID: AA81212

Extraction: SW3550

MS Extraction: 11/1/95

MSD Extraction: 11/1/95

Matrix: SO

MS Extraction: 11:45

MSD Extraction: 11:45 MSD Analysis: 11/30/95

Units: mg/Kg Neat Sample: AA81210 MS Analysis: 11/30/95 MS Analysis: 02:41

MSD Analysis: 03:28

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD	•	RPD	•	LCL	UCL	RP OCL	RC
4,4'-DDT	0.0134	0.0397	0.0461	82	Г	0.0399	0.0422	72		13		32	160	40	2C
AR1016	0	0.397	0.338	85		0.399	0.319	80		6	1	50	114	40	2C
AR1260	lo	0.397	0.355	89	l	0.399	0.333	83		7		8	127	40	2C
Aldrin	i o	0.0159	0.0148	93		0.016	0.015	94		1		42	122	40	2C
Dieldrin	0	0.0397	0.057	144	ŀ	0.0399	0.0575	144	l	0	l	40	146	40	2C
Endrin	0	0.0397	0.0265	67	1	0.0399	0.0258	65	ı	3	1	33	147	40	PR
Heptachlor	0	0.0159	0.0132	83	1	0.016	0.0138	86	ı	4	ı	34	111	40	2C
gamma-BHC (Lindane)	1 0	0.0159	0.0117	74	1	0.016	0.0127	80	1	8	1	32	127	40	2C

Law Batch ID: HERBSB7430

Project Name: CARSWELL SOIL

CARSVVELL SUIL

Project Number: 11-3517

SDG Number: 52C81007

Concentration Level: LOW

Batch Prep Date: 10/27/95

SDGs Included: 81007 81027 81067 81087

Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3905SA	AA81007	10/23/95	SO	N
OT3918SA	AA81008	10/23/95	SO	N
OT3910SA	AA81009	10/23/95	SO	N
OT3917SA	AA81010	10/23/95	SO	N
FDUP-06	AA81011	10/23/95	SO	FD
OT3911SA	AA81012	10/23/95	SO	N
OT3913SA	AA81013	10/23/95	SO	N
OT3913SAMS	AA81014	10/23/95	SO	MS
OT3913SAMSD	AA81015	10/23/95	SO	SD
HERBSB7430	AA81463	10/27/95	SQ	LB
HERBSL7430	AA81464	10/27/95	·SQ	BS

MSD: SW8150

MS Sample Name: OT3913SAMS

initial

MS LIMS 10 : AA81014

Extraction : METHOD

Matrix : SO

MS Extraction: 10/27/95 MS Extraction: 12:00

Units : mg/Kg

MS Analysis : 11/18/95

Neat Sample : AA81013

MS Analysis: 21:11

MSD Sample Name: OT3913SAMSD

MSD LIMS ID: AA81015 MSD Extraction: 10/27/95

MSD Extraction: 12:00

MSD Analysis: 11/18/95

MSD Analysis: 21:47

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD		LCL	UCL	RP D CL	RC
2,4,5-T	Ö	0.0248	0.0111	45	Г	0.0247	0.0101	41	П	9	П	25	122	40	1C
2,4,5-TP (Silvex)	0	0.0248	0.0134	54	ŀ	0.0247	0.0101	41	ŀ	27	l	25	122	40	10
2,4-D	0	0.248	0.0802	32	l	0.247	0.0666	27		18	1	4	143	40	10

MSD: SW8150

2nd column

MS Sample Name : OT3913SAMS

MS LIMS ID : AA81014

Extraction : METHOD

MS Extraction: 10/27/95 MS Extraction: 12:00

Units : mg/Kg

Matrix: SO

Neat Sample : AA81013

MS Analysis : 11/18/95 MS Analysis : 21:11 MSD Sample Name: OT3913SAMSD

MSD LIMS ID: AA81015

MSD Extraction: 10/27/95
MSD Extraction: 12:00

MSD Analysis: 11/18/95

MSD Analysis: 21:47

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	٠	RPD	•	LCL	UCL	RP D CL	RC
2.4,5-T	0	0.0248	0.00759	31		0.0247	0.0069	28	Г	9		25	122	40	PR
2,4,5-TP (Silvex)	0	0.0248	0.00992	40		0.0247	0.00991	40	ı	o		25	122	40	PR
2.4-D	0	0.248	0.09	36		0.247	0.0787	32		13		4	143	40	PR

Law Batch ID: HERBSB7501

Project Name: CARSWELL SOIL

Concentration Level: LOW

Project Number: 11-3517

Batch Prep Date: 11/7/95

SDG Number: 57C81197

SDGs Included: 57C81197 58C81217

Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3930SA	AA81197	10/24/95	SO	N
OT3930SAMS	AA81198	10/24/95	SO	MS
OT3930SAMSD	AA81199	10/24/95	SO	SD
OT3909SA	AA81200	10/24/95	SO	N
OT3915SA	AA81201	10/24/95	SO	N
OT3916SA	<b>AA</b> 81202	10/24/95	SO	N
OT3908SA	AA81203	10/24/95	SO	N
OT3922SA .	AA81204	10/24/95	SO	N
OT3927SA	AA81205	10/24/95	SO	N
HERBSB7501	AA82362	11/7/95	SQ	LB
HERBSL7501	AA82363	11/7/95	SQ	BS

MSD: SW8150

MS Sample Name: OT3930SAMS

initial

MS LIMS ID : AA81198

Extraction : METHOD

Matrix : SO

MS Extraction: 11/7/95
MS Extraction: 08:00

Units : mg/Kg Neat Sample : AA81197

MS Analysis: 12/1/95

MS Analysis: 17:16

MSD Sample Name: OT3930SAMSD

MSD LIMS ID: AA81199

MSD Extraction: 11/7/95 MSD Extraction: 08:00

MSD Analysis: 12/1/95

MSD Analysis: 17:52

Analyte	Original Conc	MS Spike	MS Conc.	MS %	٠	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP CL	RC
2,4,5-T		0.0247	0.0101	41	Γ	0.0232	0.00957	41	Г	1	Г	24	144	40	PR
2,4,5-TP (Silvex)	10	0.0247	0.0104	42	1	0.0232	0.0102	44	1	4	1	25	122	40	PR
2,4-D	0	0.247	0.0948	38		0.232	0.0877	38		2		4	143	40	1

Law Batch ID: HERBSB7460

Project Name: CARSWELL SOIL

Project Number: 11-3517

SDG Number: 57C81197

Concentration Level: LOW

Batch Prep Date: 11/2/95

SDGs Included: 55C81067 57C81197

Samples in Batch				
Sample ID	LIMS ID	Sampled	Matrix	SACODE
OT3929SA	AA81206	10/24/95	SO	N
OT3912SA	AA81207	10/24/95	so	N
OT3928SA	AA81208	10/24/95	SO	N
FDUP07	AA81209	10/24/95	so	FD
OT3920SA	AA81210	10/24/95	so	N
OT3920SAMS	AA81211	10/24/95	SO	MS
OT3920SAMSD	AA81212	10/24/95	SO	SD
OT3926SA	AA81213	10/24/95	SO	N
OT3925SA	AA81214	10/24/95	so	N
FDUP08	AA81215	10/24/95	SO	FD
OT3914SA	AA81216	10/24/95	SO	N
HERBSB7460	AA82350	11/2/95	SQ	LB
HERBSL7460	AA82351	11/2/95	SQ	BS

MSD: SW8150 initial

MS Sample Name: OT3920SAMS

Extraction: METHOD

Matrix: SO

Units: mg/Kg

Neat Sample: AA81210

MS LIMS ID: AA81211

MS Extraction: 11/2/95

MS Extraction: 05:00

MS Analysis: 11/14/95

MS Analysis: 13:49

MSD Sample Name: OT3920SAMSD

MSD LIMS ID: AA81212

MSD Extraction: 11/2/95

MSD Extraction: 05:00

MSD Analysis: 11/14/95

MSD Analysis: 14:23

Analyte	Original Conc	MS Spike	MS Conc.	MS %	•	MSD Spike	MSD Conc.	MSD %	•	RPD	•	LCL	UCL	RP D CL	RC
2,4,5-T 2,4,5-TP (Silvex)	0	0.024	0.00817 0.0107	34 45		0.024	0.0082	34	Г	0		24	144	40	PR
2,4-D	0	0.24	0.0107	40		0.024 0.24	0.0106 0.094	44 39		1		25 4	122 143	40 40	PR PR

Hand and all

# TAB

Appendix C.

## APPENDIX C

# ANALYTICAL DATA SUMMARY TABLES

- C-1 AEROSPACE MUSEUM SITE
- C-2 GROUNDS MAINTENANCE YARD

## APPENDIX C-1

# **AEROSPACE MUSEUM SITE**

DATA SUMMARY TABLE
Arrospace Museum Site
Navai Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

	i						
		Semple ID:	OT3801 SA	OT3802SA	OT3803SA	OT3804SA	OT3805SA
		Semple Date	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
PADAMETED AMETED PATENCE	Limits	Notes	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0
(CILIDAN PROTECTION PR						i	
SOIL BH SWYMSNONE (BOBO)							•
623-9045 pH units Soil	ř		7.84	7.73	7.37	7,74	7.32
PERCENT SOLID - D2216 MONE (percent)							1
623-D2216 Mointure	•		00.9	€.00	17.0	21.0	8
METALS, TOTAL BY ICP/SW6010/SW3959 (mere)							
Aluminan	200		4190	2640	0001	0,00	
Antimorry	25.0		208 10	1 23	86		0617
Berian	2.00		0.08		2 60.0	2, <u>1</u>	\$ \$0.5 \$
Beryllum	0.300		2.40	225	8060	771	65.0
Cecrum	1.00		0.800	€97.0	€0.825	40.974	0.5.0 <b>4.8</b> (b)
	10.0		173000	209000	62700	77400	114000
CHORDINA	2,00				12.0	526	11.3
Commer	2.00		2.08 10		5.36	5.55	25.
	8.5			6.74 JQ	8.66	8.28	1.73
Mencatum	8 6		0889	3690	11400	11600	10500
Managenese	0.62		98.	2080	2300	1740	1880
Mohdenum	8.5		370	386		226	353
Nickel	8 8		1.52 10	47.6	J. 86.1	234	2.04 JQ
Potassium	8.5		714		0.11	10.4	8.22
Silver	905		8 2	614 JH	HI 0881	1450	1520 JH
Sodium	25.0		) ( ) ( )		<b>C4</b> .12	<b>18.</b>	
Thallium	2.50		e 6	21 T 12 T	SS ?	₹ ;	FB. 7.67
Vanadium	205		9 =	18.		770	8
Zinc	1.00		121	70.3	- 8 8 8	20,5	21.4
A PRODUCT OF A PART OF A P				:	0.74		0.07
Aranic							
	0.500		1.87	1.07	1.73	2.78	1.11
LEAD, TOTAL BY GFAA/SW, 7421 (mg/kg)	į						
	0.500		22,	12.6	26.6	33.0	21.0
MERCURY, TOTAL BY CVAA/SW 7471 (me/let)							
MCTURY	0.242		€ 226	40,260	<0.265	<0.286	Ø.229
SELENUM, TOTAL BY GFAA/SW 7740/METHOD (MATE)							
Science	0.500		<0.409 JL	<0.347	<0.456	0.0940 JL	40,366
VOLATILE ORGANIC COMPOUNDS BY GCOMS - SW8240/NONE (MIN'N)							!
1,1,1-1 methorethere	0.00500		<0.00528	⊄0.00572	₹0,00604	CD (OSA3	13000
1,1,4,2° terrarigoroeguage 1,1,2,1°-terrarigoroeguage	0.00500		€0.00528	<0.00572	€0.00604	Ø.00643	19C00(5)
1. Dichlemethene	0.00500		<0.00528	<0.00572	40.00604	<0.00643	40,00561
1. Dichlorosthere	000000		€0.00528	<0.00572	<0.00604	<0.00643	€0000
	0.00500		\$2500°0>	€0.00572	€0.00604	<0.00643	40.00561

DATA SUMMARY TABLE Arrospace Museum Site Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Semple ID	OT3801SA	OI 38U2SA	OT3803SA	AND AND AND AND AND AND AND AND AND AND	ANSOM C
		Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Ounetitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETERMETHODUNITS)	Limits	Notes	i				<b>:</b>
VÓLATILE ORGANIC COMPOUNDS BY GCIMS - SWEJ44NONE (maña) cont'd.							
,2-Dichloroethene	0.00500		€0.00528	<0.00572	40,00604	<0.00643	Ø 000561
,2-Dichloropropuse	0.00500		<0.00528	<0.00572	₩0900₽	€0.00643	₩ 0.00561
2-Butanone (MEK)	00100		90 10 0 <del>0</del>	40.0114	<0.0121	€210.0>	40.0112
2-Chloroethyl vinyl ethar	0.0100		Ø.0106 №	40.0114 1	40,0121 1	Ø.0129 R	<0.0112
2-Hexterione	0.0100		<0.0106 J	40.0114	<0.0121		40.0112
4-Mothyl-2-pentanone	0.0100		<b>40.0106</b>	40.0114	₩0121	Ф.0129	40.0112
Acatome	00100		₹ 9010/0>	<0.0114	<0.0121	40.0129 J	<0.0112
Ветиете	0.00500		40.00528	<0.00572	₹0:00:00	<0.00643	₹0.00561
Bronodichloromethere	0.00500		<0.00528	<0.00572	40.00604	<0.00643	€0000
Bromoform	0.00500		<0.00528	<0.00572	₹0.00604	<0.00643	40.00561
Bromomethane	00100		<b>₹0.0106</b>	<0.0114	0.0121	€2.10.0>	<0.0112
Cerbon disutfide	0.00500		<0.00528	<0.00572	₹0.00604	<0.00643	<0.00561
Carbon tetrachloride	0.00500		<0.00528	<0.00572	40.00604	⊄0.00643	<0.00561
Chlorobenzene	0.00500		40,00528	<0.00572	40.00604	€0.00643	₹0.00561
Chloroethane	0.0100		<b>₹</b> 9010.0>	<0.0114 J	40.0121 1	0.0129	<0.0112
Chloroform	0.00500		<0.00528	<0.00572	₩0900.0>	<0.00643	₹0.00561
Chloromethane	0.0100		Ø0100	40.0114	<0.0121	<0.0129	<0.0112
District Connection of the Con	0.00500		<0.00528	<0.00572	40.00€04	⊄0.00643	<0.00561
Ethylbenzene	0.00500		<0.00528	⊄0.00572	₹0.00604	<0.00643	<0.00561
Methylene chloride	0.00500		40.00528	<0.00572	<0.00604	0.00628 JQ	₹0.00561
Syrane	0.00500		40.00528	<0.00572	₹0,00604	<0.00643	40.00561
lementocouncire	0.00500			<0.00572	40.00604	0.00643	<0.00561
Cricklens	00000		O.003/2 A.	8/ IO.0	40.0060A	<0.00643	0.0129
Virul acetate	0.000		200.00	2/0002/2	40.000	©,00643	0.00561
Virul chlorida	866		9 (G) (G)	4 10 P	4.0121	\$210.00 \$2.00.00 \$2.00.00	40.0112
Taly was not	00100		00100	4100	0.0121	Ø.0129	40.0112
Any season (when y	00000		40.00548	4005/2	#0900 P	©.00643	90000
cie.] 3-Dichloropropene	00000		0.00528	2/00/05	00000	60000	90000
result. 2-Dichloroethere	00000		87500 (D	CO0572	00000	(C) (C) (C) (C) (C) (C) (C) (C) (C) (C)	ocono e
trans-1,3-Dichloroproperse	0.00500		€0.00528	<0.00572	40.00604	<0.00643	19 <b>50</b> 00
S. Serraceate Recentury (Control Limits)							
sur-1,2-Dichloroethane-d4 R% (70-121)			0 201	105.0	9701	9701	5
s.gBromofluorobanzare R% (74 - 121)			8		<u> </u>	5 8	103.9
sur-Tokusene-d8 R% (81 - 117)			2 2	6 101	6 S	93.0	200
	•		Ĵ	2	73.0	0.00	23
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS - SW8770/SW3559 (mg/le)							
2	0.333		3.51	<0.347	40.399	417	96.00
, 2-Dichlorobenzene	0.333		Q.51	<0.347	Q 388	40.417	40.361
1,3-Dichlorobenzene	0.333		Q.51	<0.347	Ø.399	40.417	96.05
,4-Dichlorobenzene	0.333		4.51	< 0.347	€0.399	€0.417	99.9
2,4,5-Trichlorophenol	2990		£0.72	€693	Ø7.05	<0.834	40.721
2,4,6-Inchlorophenol	0.333		<b>⊴.5</b> 1	40.347	€6:0>	△0417	0,361
Z,4-Dichlorophenol	0.333		<b>4.51</b>	<0.347	€66.0	40.417	98.0
Z.4-Dimethylphenol	0.333		3.51	40.347	Q 399	₫.417	96.05
1 4. Directoral Acres	271		7/17	7	5 7		

DATA STUMMARY TABLE Artospace Museum Site Naval Adr Studior Port Worth Joint Reserve Base, Carrwell Field E.e. West, Town.							
	Quantitation	Semple ID: Semple Date: Depth:	0T3801SA 22-0CT-95 0.0 - 2.0	OT3802SA 22-OCT-95 0.0 - 2.0	0T3803SA 22-0CT-95 0.0 - 2.0	OT3804SA 22-OCT-95 0.0 - 2.0	OT3805SA 22-OCT-95 0.0 - 2.0
PARAMETER/METHOD(UNITS)	Librarita	Notes:					
MPOUNDS BY GCMS - SW8774/SW3550 (a	selse) conf.d.			1	;	;	,
2,6-Dinitrotolusine	0,333		5 S	0.347	86.88 87.98	6.47 1.43 1.43	19 F
2-Chloronapht/salene	0.333		2 c	¥ 5	60.5% 50.5%	÷ 6	<b>₹ ₹</b>
2-Chlorophenol	0.333		7 S	/ <b>X</b> (0)	\$ <b>6</b>	} <b>?</b>	Ş <b>Ş</b>
2-Mothythaphthalens	0.333		Z 0	A 55	\$ 60° 6	<del>-</del> €	<b>7</b> 5
2-Mothylphenol	0.333		631	}	800	80	2 V
2. Nitrografine	1.67		P 5	5 F	8. 8	<b>8</b> €	1960
2-Nitrophenol	0.333		5 6	1 699	. 85. P	<b>40.834</b>	40.721
3,3'-Dichlorobenzidine	85		3.5	. E. C	80	88	8
3-Nitroentline	6.		27.5	2. V	60	88	₩.
(6-Dantro-2-methylphenol	1.6/		5 5	(A. (A	Ø 388	Ø.417	98.9
4-Bromophenyl phenyl ether	0.333		5 5	€ 6	86.	0.417	8
4-Ciloro-3-methylphenol	0,557		- E C	<b>169</b> Ø	82.58	- 458.4 - 458.4	Ø.721
Chloroendro	233			27. 6	<b>8</b> €	Ø.417	9036
+Chlorophenyi phenyi ether	193			Ø.347	88 9	417	40.361
- Methytphenol	79 T		47.6	€7.73	8	508	08. ₹
	69.		0176	€. \	200	7.08	28. △
in the second se	0.333		1.40 70	40,347	40.399	Ø.417	40.361
	686.0		3.5	Ø.3€	40.399	<b>41.7</b>	A.361
Acataphinyland	0,333		2.24 10	40.347	40.399	Ф.417	40.361
Perty almost beautiful and bea	0.333		3.60	0.0395	€6.0	0.417	Ø.361
Berzolaboren	0,333		237 JQ	<0.347 J	40.399	40.417	Ø.361
Benzo(b)fluoranthene	0.333		4.81	0.0322 7	60°399	7.A.	96.00
Benzo(g.h.i)perylene	0.333		Q.51	A 347	<b>8</b> € 9	Q.417	9 S
Benzc(k)fluoranthene	0.333		<u>.</u>	40.347		€ <del>6</del>	<b>7 9</b>
Benzoic scid	/9'1		0.7	S 50	3 5	786	4 5
Benzyl sleohol	0.867		\$ 5 7	C (60)	88.6	A 41.7	<b>1 5</b>
Butyi benzyi pittaalate	0.333		33.20	0.0458	98 B	40,417	9
Linysene St Eust-Infector	0 333			B.347	Q.399	0.0266 JQ	Ø.05
Liver-courty-principal we	0.333		4.51	0.347	40.399	Ø.417	<b>9</b> .36
Discourt himtenses	0,333		4.51	Q.347 J	€66.0	Ø. <b>417</b>	40.361
Distance and formers	0.333		1.04 X	0.347	40.399	₫.417	196.00
Create the latest and the create	0.333			d.347	€6.0	Ø.417	₩.
Directly space and the space of	0.333		451	<0.347	€66'0	<b>₩</b>	Ø.36I
	0.333		7.89 JO	Or 5950.0	€6.0	O. 103 JQ	9.3€
	0.333				<0.399		Ø.36 <u>1</u>
Titor day	0.333			40.347	40.399	417	40,361
	0333		25	40.347	40.399	417	196.05
Lectural Lands and Japanese Adjusts	0.333		2.5	<0.347	40,399	Ø.417 J	19K 0
Hormothion of home	0.333		4.51	0.347	<b>€6€</b> 0	<b>₹14.0</b>	₩.0
Indexed 2 Ledinomie	0.333		₹.51	40.347	Q.399	Ø.417	<b>₩</b> .0
Line of the company o	0.333		4.51	d0.347	€0.399	Ø.417	Ø.361
Newythalene	0.333		Or 60:1	<0.347	40.399	417	<b>⊕</b> .0
Nicoleonius	0.333		4.51	d).347	<0.399	417	Ø.36I
Pertuchlorophenol	00.1		<10.6		2.2	\$7:	<b>8</b> . ∀
Photosubiene	0.333		10.1	Or 1550:0	86.99 9	0.417	19E (P

TABLE C-1

DATA SUNDIARY TABLE
Arospace Museum Sta
Arospace Museum Sta
Navai Air Station Fort Worth Joint Reserve Base, Carrwell Fleid
Fort Worth, Texas

		Sermple Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Quantifation		0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	Linits						
PAKAME I EKIMETHONONITS)							
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS SWRITMSW3554 (m)	70/SW3550 (mg/kg) cont'd.						
Phenol	0.333		4.51	40.347	€6:0	Q.417	⊕.361
Ругеле	0.333		8.54	0.147	€93	0.121 10	40.361
bis(2-Chloroethary)methane	0.333		<b>3.5</b> 1	A.347	€0.399		0.361
bis(2-Chloroethy!)ether	0.333		<b>4.5</b> 1	A.347	€6.0	₫.417	€0.361
bis(2-Chloroisopropyl)ether	0.333		Q.51 JL	A.347 II.	40.399 IL	40.417 JL	40.361 JL
bis(2-Ethythexyd)phthalate	0.333		<b>Q.51</b>	0.382	0399	60.	40.361
n-Nitrosodi-n-propylamine	0.333		<b>Q.5</b> 1	A.347	€6.0	Ф.417	₩.961
n-Nitrosodiphenylemine	0.333		4.51	<b>₫.347</b>	€6.0	Ф.417	40.361
% Surrogate Recovery (Control [Jank)							
sur-2,4,6-Tribromophenol R% (19-122)	r		121	78.1	629	55.0	0.99
nur-2-Fluorobiphenyl R% (30-115)	•		63.1	76.9	79.9	65.0	0.79
sur-2-Fluorophenol R% (25 - 121)			23.0	0.19	699	46.0	86.9
sur-Nitrobenzene-d5 R% (23 - 120)			23.0	0.99	64.2	52.0	S4.8
sur-Phenol-d6 R% (24 - 113)	•		22.1	<b>3</b>	63.9	0.19	\$60
sur-Terphenyl-d14 R% (18 · 137)	•		1.69	122.8	85.0	940	75.1

Data Constituentes Francheise:

J = Estimated quantitation based upon QC data

IB = Estimated quantitation, possibly based high or a false positive based upon blank data

II. = Estimated quantitation; possibly bissed high based upon QC data

II. = Estimated quantitation; possibly bissed light based upon QC data

IQ = Estimated quantitation; cossibly bissed low or a false negative based upon QC data

IQ = Estimated quantitation; detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data; do not use.

DATA SUMMARY TABLE
Arcospace Museum Sta
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

		Sumple ID	OT3806SA	OT3807SA	OT3808SA	OTTROSSA	Offseinea	Off381188
	C. Marie M.	Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
PARAMETER METHOD (UNITS)	Links	Notes	J.7 - J.0	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
SOIL PH - SW904SNONE (Bebb) 623-9045 pH units Soil			;					
PERCENT SOLD . CO. S. C. C. C. C. C. C. C. C. C. C. C. C. C.	•		<b>X</b>	7.50	7.55	7.42	7.33	7.45
623-D2216 Moisture	ı		9.00	15.0	140	Š	:	;
METALS, TOTAL BY ICP/SW44919/SW3454 (mp/kg)				<u>:</u>	Q.	99	0.11	0.11
Aluminum	90.0		3320	7490	11700	01.03	000	į
Antimoriy	25.0		2.47 JQ	\$26	\$ 22	1.69 10	0/68 7000	8 8
Beryllium	2.00		83.8	112	118		3	<b>5</b>
Cachrien			42.24	0.724	0.799	Q:30	0.651	0.570
Calcium	001		195000	\$0.90s	<b>88</b> .⊖	0.843	40.814	4.814
Chromism	2.00			109	98/00		82300	98100 1
Cobalt	9:00		209 10	68	<b>9</b>	13.0 K	9.12	<b>%</b>
Coppor	2:00			7.87			(e) (	<b>2</b> 8
Menenim	2:00		4870	8710	7400		10300	97,00
Manganese	25.0		2040	2200	2160	1990	2140	21.80
Мојурфенит	8 8		435		23	351	572	457
Nickel	88.5		* S	Or 18:1	<u> </u>	2.22 JQ	1.79 10	<b>C4.07</b>
Potassium	9		28	1570	75.8			
Silver	8.00			CL 52	2.4	¥ 25.7	178 178	1530 JH
The lines	25.0		52.7 JB	277	7	£ 50	9	
Versedium	25.0		<18.7	<b>47.6</b>	42			E 5 6
Zinc	9.90		9.42	25.6	21.0	17.2	176	¥.09
	1.8		<b>83</b> .0	1.72	25.4	81.2	31.2	21.2
ARSENIC, TOTAL BY GFAASW 7060 (mg/kg)								
Алегис	0.500		1.61	1.65	3.00	1.95	204	90,0
LEAD, TOTAL BY GRAASW 7421 (mg/kg) Lond	0.500		56.3	9	ž			}
MERCURY, TOTAL BY CVAASW 7471 (mathe)					Ĭ	<u>.</u>	0.61	17.0
Мотошу	0.242		40.249	<0.273	40.266	A 204	3,40	5.0
SELENTUM, TOTAL BY GFAASW 7740METHOD (malke)								<b>5</b> 7.)
Зеветил	0.500		<0.413	40,355	424 IL	<b>88</b> . ∇	40.407	416
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWELLANONE (MARA)								) 
(,1,1-1DGDOCOUNT)	0.00500		<0.00578	<0.00593	<0.00584	<0.00579	90000	10000
1.1.2-Trichlorochume	0.00500		<0.00578	<0.00593	<0.00584	€7,000,0>	©.0000 Ф.00605	40.005/I
1,1-Dichloroethane	0.00300		40.00578 620 620 620 620	40.00593	<0.00584	6/500:0>	<0.00605	40.00571
1,1-Dichloroethan	00000		C0.00578	40.00593	<0.00584	€0.00579	<0.00605	40,00571
	) ) ) !		817000	4.W393	<0.00584	€7500.0⊳	<0.00605	<b>€0.0057</b> 1

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DATA SUMMARY TABLE
Arrespace Messem Site
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Terms

22-0CT-95 0 0 - 2 0 0 0 0 - 2 0 0 0 0 - 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OT390CC A	01300104	4 December	1000000	,	
Comparison   Commission   Comparison   Com			Semolo Dato	72-07-05	22-0-T-05	72.0CT-05	0138093A	ASUBSTICE TO CT	OT3811SA
Comparison   Com		Ounstitution	Depth	0.0-2.0	0.0 - 2.0	00-20	00.20	00.20	00.20
NECCONSTINUTE BY COME. SWITHWAYDOTT MANUAL CONTRICT CON	BABANTER ACTION TO THE STATE OF	Limits	Notes				<b>;</b>		
Company   Comp									
Colorado   Colorado	VOLATILE ORGANIC COMPOUNDS BY GC/MS - SWIZ44NONE (me/he) conf'é.								
Colored   Colo	1,2-Dichloroethane	0.00500		€0.00578	€6500.0>	<0.00584	<0.00579	₹0,00605	<0.00571
Column   C	Seminorioriorioriorioriorioriorioriorioriorio	0.00500		<0.00578	40.00593	Q.005 <b>8</b> 4	€/S00.0>	₹0,00605	<0.00571
Column	2-Chiermathal visual athan	0.0100			6100		90116	0.0121	40.0114
Column	2-Lind court   viry   outer	0.0100			5 5 5 6		90119	0.0121	40014
	4-Method-2-mentancine	8 60		9 5	6.0.6	1107	970079	17 10 17	<b>FI 10.0</b>
Colorado   Colorado	Action	00100		60.01 la	6.01.5 0.10	1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	9 6	8 8 8 8 8 8 8	7 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Comparison   Com	Benzere	000000		0 10.00 C	C) 10.07	71000	011016	17 10 70	41100
Color	Bromodichloromethere	00000		40 00 cp	CO 00593	P8000	00000	60000	1/500.6
100   0.0010   0.00	Bromoform	0.00500		€000578	Ø 00593	Ø 00584	6) (M) (A)	000000	0.005/1
Colorado   Colorado	Bromornethane	00100		0.0116	61100	Ø.0117	900116	400121	\$100°
0.00500	Carbon disulfide	0.00500		40.00578	<0.00593	<b>₹0.00584</b>	40.00579	€00000	€000571
0.00500   0.00501   0.00504   0.00505   0.00	Carbon tetrachloride	0.00500		40.00578	<0.00593	40.00584	<0.00579	40.0060S	<0.00571
Continue	Chlorobenzene	0.00500		<b>€</b> 0.00578	<0.00593	Ø.00584	<0.00579	€09000	<0.00571
Control	Chloroethane	00100		40.0116 J	€1100	<b>€0.0117</b> J	40.0116 J		40.0114
Continue	Chloroform	0.00500		<0.00578	€6500.0>	<0.00584	€/500,0>	₹0,00605	<0.00571
Comparison   Com	Chloromethane	0.0100		Ø.0116	€110.0	€0.0117	<b>40</b> .011 <b>6</b>	40.0121	₩0.0114
0.00550	District of the Control Contro	0.00500		Ø 000578	<b>€0</b> 500593	€0.00584	<0.00579	<0.00605	40.00571
DECOMES   COUNTY	Eurydbortzene Noderd ene ekteria	0.00500		€0.00578	<0.00593	€0.00584	€20000	<0.00605	<0.00571
100500	Metriyianis cilioricis	0.00500		€0.00578	40.00593	€0.00584	40.00579	₹0,00605	<0.00571
Compose   Com	Nytette Tetrachilene	0.00500		Ø.00578	<0.00593	40.00584	40.00579	Ø 00005	<0.00571
Comparison   Com	Toleran	00000		8/S05/8	_	0.00584	€7500.0>		40.00571
Company   Comp	Trichlorouthera	0.00300		40000 F		0.00384	0.0149		0.0115
Comparison   County	Viryl acetala	ooloo		6.000/s	6000	40.0084 5.0012	6/68/9	\$0900.0	40,00571
100   100	Viryl chloride	8 6		9 6	200	71000	910.6	6002	\$100 8
10	Xvienes (total)	0000		0110.00	\$ 100 F	/110/00	911070	121012	41000 114
December   Control   December	cia-1,2-Dichloroethene	0.00500		\$1000 (P)	6,000.00 6,000.00	0.00364	6.000.6	40.00e05	40.00571
Part   Part	cis-1,3-Dichloropropene	00000		40 (00 C)	0.00593	100584	0.000.6	60000	1/600.0
	trum-1,2-Dicthloroethene	0.00500		4000578	CO.00.00	0.00384 0.00584	6/500.00 67.500.00	50000	40.005/1
	trans-1,3-Dichloropropens	0.00500		<0.00578	40,00593	40.00584	€7500.0>	Ø.00605	40.00571
104.0   101.0   103.9   110.0   105.	25 Surrogate Recovery (Control Limits)								
Columbia   Composition   Com	ww-1,2-Dichloroetheno-d4 R% (70-121)	,		104.0	101.0	103.9	110.0	105.0	107.0
CHI   1   105.0   101.0   96.9   98.1   99.0   1   1   1   1   1   1   1   1   1	sur-Bromofluorobenzene R% (74 - 121)	•		92.0	92.9	92.0	92.1	6.88	87.0
ORGANIC COMPOUNDS BY GC/MS SW\$7796/W3559 (mg/kg)         0333         0,3561         0,388         0,384         0,367         0,369           10 333         0,333         0,346         0,388         0,384         0,367         0,369           10 333         0,333         0,361         0,388         0,384         0,367         0,369           10 4         0,333         0,667         0,461         0,388         0,384         0,367         0,369           10 4         0,333         0,361         0,388         0,384         0,367         0,369           10 5         0,333         0,361         0,388         0,384         0,367         0,369           10 5         0,333         0,361         0,388         0,384         0,367         0,369           10 5         0,333         0,361         0,388         0,384         0,367         0,369           10 5         0,333         0,361         0,388         0,384         0,367         0,369           10 5         0,333         0,348         0,384         0,367         0,369           10 5         0,338         0,384         0,367         0,369           10 5         0,348         0,3	mar-Tolumne-d8 R% (81 - 117)	•		105.0	101.0	6:96	1.86	0.66	101.1
10 333         40.361         40.388         40.384         40.367         40.369           10 333         40.361         40.388         40.384         40.367         40.369           10 333         40.361         40.388         40.384         40.367         40.369           10 667         40.361         40.388         40.367         40.369         40.369           10 667         40.361         40.388         40.367         40.369         40.369           10 333         40.361         40.388         40.384         40.367         40.369           1 67         4.381         4.381         40.367         40.369         40.369	SEMI_VOLATILE ORGANIC COMPOUNDS BY GCMS SW8774/SW3559 (me/le)								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,2,4-Trichlorobenzene	0.333		40,361	₫.388	0.384	<b>40.367</b>	96.69	121
13.3	1,2-Dichlorobenzene	0,333		99.361	₩388	40.384	796.00	98.9	0.371
1	I,3-Dichlorobenzene	0.333		40.361	<0.388	<b>Q.384</b>	<b>40</b> ,367	<b>40.369</b>	0.371
0667 40,723 40,777 40,769 40,734 40,739  10.333 40,346 40,348 40,367 40,369  10.333 40,348 40,367 40,369  10.333 40,348 40,367 40,369  10.57 < △1.81 J △1.94 J △1.92 J △1.84 J △1.85 J	,4-Dichlorobenzase	0.333		<b>⊕</b> . <b>3€1</b>	A 388	€0.384	<b>40.367</b>	96.0	<0.371
0333	2,4,5-1 richlorophenol	0.667		627.00	A.777	<0.769	A.7.3	Ø 739	€0.743
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2,4,0-11fethorophetol	0.333		90.361	A 388	0.384	<0.367	996.00	<0.371
0.533 C.0.388 C.0.384 C.0.369 <	2.4-Danatholytemol	0.333		₩ ₩ ₩	388	0.384	Q 367	69E (P	<b>⊕</b> 371
1.07 < 1.04 ) < 1.04 ) < 1.04 ) < 1.04 ) < 1.04 ) < 1.04 ) < 1.05 )   1.05   1.0	2 4-Dinimorhenol	1.63		Z = 7	886.0	Q 384		69E P	<0.371
		0.1		- F	- <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del>	- K	_ 38 ▽	7 88 7	<1.86

TABLE C-1

DATA SUMMARY TABLE Arcospace Museum Site Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

		Sample ID	OT3806SA	OT3807SA	OTTODECA			
	;	Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	22.0CT-96	OT3810SA	OT3811SA
	Ownstitetion	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	00.00	26-120-77	22-OCT-95
PARAMETER/METHOD/UNITS)	2	Notes				}	0.7 . 0.0	0.7 - 2.0
SEMI-VOLATILE ORGANIC COMPOUNDS BY CCASE CONSTRUCTION								
2,6-Dinitrotoluere	_1							
2-Chloromaphthalene	0.333		<b>⊕</b> 361	₩.0	₩9	A) 367	936	
2-Chlorophenol	0.333		<b>6</b> 361	<b>60.388</b>	<b>8</b> .6	Q 367	6 6	(A)
2-Methytraphthalene	0.333		40.361	40.388	40.384	Ø.367	8 9	7. F
2-Methylphanol	0.333		<b>40.361</b>	<0.388	AD 384	Q 367	8 6	- C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C
2-Nitrouniline	££.0		9.36	40.388	Ø.384	79. (D	95.6	1/5/6
2-Nitrophenol	1.67		<b>8</b> . ∇	<b>X</b> . ▽	\$ ₹	<b>2</b> ₹	7 7	1/5.00
33. Dichlorobenziehen	0.333		<b>40.36</b> 1	Q 388	78E (F)	<b>3</b> 5	<b>S</b> 8: ∀	<b>26</b> . ∇
3-Vitomilies	0.667		€7.23	40 777 1	5,6	) (S) (S)	<b>98</b> .9	₩371
4 6. Divition 2 marked at the second	1.67		⊽	. 7	3 3	( P€/.79	<0.739 J	Q.743 J
4. Promochony alternative and	1.67		₩.	<b>5</b> ₹	3 2	<b>3</b> .	<b>2</b> 8.	98.∀
4 Calon 2 - All 1-1	0.333		<b>Ş</b>	7 6	26.15	78. ∨	√.85.1	98.⊅
**Caldoo-3-metry/phreno!	0.333		£ 5		<b>2</b>	40.367	69£.0 Ø	40.371
	0.667		£ 5		<b>3</b> .3	40.367	€96.0	40.371
4-Chlorophenyl phenyl ether	0.333		3 5	£ ;	- 69.769 	A.734	<0.739	€97.00
4-Methylphenol	0.333		<u>s</u> 5		Ø.38.	40.367	<b>69</b> . ♥	121.00
4-Nitrouniine	66.		<b>9</b> ;	9388	<del>0</del> .384	40.367	95	12.6
4.Nitrophenol	È.		<b>≅</b>	<b>z</b> . ⊽	4.92	<b>2</b>	<b>3</b> V	7.57
Acanaphthane	/9.7		<b>≅</b> .	<b>3</b> . ⊽	<b>%</b> ∵	. ∠	7 5	8 S
Aceraphthylene	0.333		<b>9</b>	<b>888</b> . O	<b>7</b> €	Ø. Ø.	6.5	<b>8</b> .∵ (
Anthracene	0.333		40,361	<b>€0.388</b>	987	\$ 55 E	8 9	(F)
Benzia lantinacene	0.333		0,361	<b>€0.388</b>	78. (F	<b>8 8</b>	8 9	0.37
Вятго(в)ругене	0.333		40,361	<0,388	A.384	- 12 S	20.303	40.37
Benzo(b)fluoranthene	0.333		0.0448	40,388	A 384	- C32 (C)		(F. 6)
Benzofelhilberylene	0.333		0.0596 1	40,388	786	25.6	Or 00500.0	0.371
Benzo(k)fluorantheme	0.333		40.361	40.388	A86. (A	25.6		₩371
Benzoic scid	0.333		- 196°O	Ø.388	186	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	<b>6</b> 36	40.371
Benzyl alcohol	1.67		<b>18</b> . ▷	\$	\$ \$	7 7	69E (P	₩371
Butyl benzyl zitchelete	0.667		67.723	£777	2 6	A. S.	<b>58</b> . △	<b>9</b> .∀
Cirvere	0.333		0.0383 JO	₩ 9	20° C	\$ (\$	40,739	€7.0
Di-n-butwickthalate	0.333		0.0365 JO	₩ 9	78.	9.56		₩.371
Directoriolises	0,333		0.361	₩.	<b>1</b>	P S S S S S S S S S S S S S S S S S S S	O' BSMO'O	Ø.371
Dibonal at her three cone	0.333		40.361	Ø.388	<b>3</b>		<b>8</b> € 9	Ø.371
Debenzofung	0.333		40,361 1	<b>€0.388</b>	787	1 25 6		40.371
Diethylphthalate	0.333		40.361	₩.0	987	\$ \$	<b>6</b> 6	0.37
Dimethylphthalate	0.333		40.361	Ø. 0	A 384	55.6	<b>8</b> 8	0.37
Fluoranthane	0.333		40.361	₩.0	₩.	\$ \$ \$	\$ 6	40.37]
Fluorene	0.339		0.0481	0.0113 JQ	40.384	OX 07000	5 510	
Househlorobenzene	0.333		<b>9</b> .3€	<b>88</b> 6.0	40.384			Dr 5510.0
Hexachlorobutaciene	0.333		<b>9</b>	<b>20.388</b>	A384	€967	9,6	1/5/2
Hexachlorocyclopentadiene	0.333		40.361	<b>20.388</b>	40,384	£2.€	65.6	1/5/0
Hexachloroethane	0.333		9.361	<b>388</b> O	<0.384	1 732 (5)	6,50	40.37]
Indeno(1,2,3-ed)pyrene	0.355		40.361	0.388	40.384	C98.00	600	1/6.05
Lophorone	0.333		40.361	₹0.388	<0.384	1 /98/0	97.6	40.37 <u>1</u>
Nephthalene	0.333		<b>4</b> 0.361	₩.0	40.384		600	1/5/1
Nitrobenzene	0.333		96.0	₩.0	40.384	79.6	<b>6</b> 5	1/5/0
Pertechlorophenol	0.933		<b>9</b> .9	₩. 0	Q 384	(3r. E)	6 6	1/2/1
Phenanthrene	8 3			4.16	∆.15	01.5	<b>6</b> 7	Q.371
	0.333		0.0426 70	₩,	<b>98</b> ⊖	£ 55		II 5
						130.13	Dr. cream	40.371

TABLE C-1

DATA SUMMARY TABLE
Areospace Museum Site
Navai Air Station Fort Worth Jelant Reserve Baze, Carswell Field
Fort Worth, Texas

		Semple ID	OT3806SA	OT3807SA	OT3808SA	OT3809SA	OT3810SA	OT3811SA
		Sermple Date	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Ounathtation	Depth	0.0 - 2.0	0.0' - 2.0'	0.0-2.0	0.0 - 2.0	0.0-2.0	0.0 - 2.0
	Lineita	Notes:						
PARAMETERAMETHOD(UNITS)								
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWEDPSW3559 (maths) coat'd.	W3559 (mæ/kg) cont'd.							
Phenol			99.361	40,388	40,384	<0.367	€98.0>	40,371
ters	0.333		0.0604 JQ	<b>40,388</b>	0.384	₹ 29.367	0.0864 70	40.371
bai(2-Chloroethoxy)methane	0.333			₩86	40.384	40.367		40.371
bar(2-Chloroethyl)ether	0.333		40,361	₩96	₩.0	40,367	40.369	<0.371
bm(2-Chlorosopropy) bether	0.333			40,388 JL	Q.384 JL	40,367 IL	Ø.369 IL	A0.371 JI
ben (2-Ethylhexyl) phthainte	0.333		0.198 JQ	<b>388</b> (0>	A)384	40.367 J	€96,0	40.371
P-Nitrosodi-n-propy/sanima	0.333		€0361	<b>88</b> .0	<b>五</b> 紀 日	€96,0	€96	40.371
n-Nitrosodaphenylamme	0.333		<b>40.361</b>	<b>40,388</b>	40.384	40.367	€9.369	40.371
% Sarremete Recevery (Control Limit)								
var-2,4,6-Tribromophenol R% (19 - 122)	•		22.1	71.0	51.0	51.9	20.0	65.0
r-2-Fluorobiphenyl R% (30 - 115)	,		- T:SS	72.9	59.1	1.59	75.1	78.2
rur-2-Fluorophenol R% (25 - 121)	•		76.9	<u>2</u>	45.0	55.0	57.0	61.9
ur-Nitrobenzene-d5 R% (23 - 120)	i		82.0	63.1	46.1	53.1	<b>26.1</b>	65.0
Aur-Phonol-d6 R% (24 - 113)			83.9	0.09	51.0	51.0	57.0	0.19
sur-Temblemyl-d14 R% (18 - 137)			115.2	82.0	85.2	95.9	<b>87</b> .0	<b></b>

Date Qualification Theory (1944):

1 = Estimated quantistion based upon QC data

1B = Estimated quantistion: possibly bissed high or a false positive based upon blank data

1B = Estimated quantistion: possibly bissed high based upon QC data

1L = Estimated quantistion: possibly bissed high based upon QC data

1Q = Estimated quantistion: possibly bissed low or a false negative based upon QC data

1Q = Estimated quantistion: detected below the Practical Quantistion Limit

R = Datum rejected based upon QC data: do not use.

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TABLE C-1

DATA SUMMARY TABLE
Arrospece Museum Site
Naval Air Station Fort Worth Joint Reserve Bane, Carswell Field
Fort Worth, Tenss

		Semole ID	10 10 10 10 10 10 10 10 10 10 10 10 10 1	00000			
		Sample Date:	22-OCT-95	0138123A 22-00T-98	OT3813SA	OT3814SA	OT3815SA
PARAMETER/METHOD/UNITS)	Omentication Limits	Depth: Notes: Duplic	Depth: 0.0°-2.0 Notes: Duplicate of OT3811SA	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0	22-OCT-95 0.0' - 2.0'
SOLLEE - SWEAGNONE (RORE)					!		
Roc same and concern			7.49	7.29	1.23	7.46	35
FERCENT SOLID - D2216 NONE (nervent) 623-D2216 Moisture							<u>}</u>
	•		12.0	15.0	14.0	10.0	011
METALS, TOTAL BY KPISW 6010/SW3050 (mete)							<u>.</u>
Antimore	20.0		7620	4740	1000		
Burian	25.0		415	215	? <del>?</del>		0.20
Boryllium	200		116	55.0	; S	ζ /8:1 Σ / 8 / 2	Zi.4 II
Cachrism	0.300		<b>47.56</b>	0.344	9050	C.K. 0	£ 5
Celcrism	90.1			40.859	<0.843	180	/53
Chronisan	20.5		140000 J	28800	74300	\$2100	
Cobuit	9 5				1.67	14.6	1 7 61
Coppor	888		3.07 JQ	3.01 70	3.37 10	3.73 JQ	
Kan Market	2.00			181	5.82	7.62	
Manager Manage	250		2310	1280	7980	10200	8050
Mohydenen	0.1		479	200	1620	9051	2090
Nickel	2:00		<4.27	1.63 10	23. 26.	52	(93
Potassium	200			96.9		7, 8, 7, e	\$2.50
Silver	0.09		1540 JH	H60 JH	1210 JH	1230 12	i Si si
Sodium	36.0		<b>CL.27</b>	<4.30	27.5		Hr 0071
Thelium	0.62		68.9 JB	110 278	8.69	65. Z	2.5
Venedaum			7 .	<u>21.5</u>	41.1		
202	00.1		27.5	13.2	17.4	20.4	73.7
ARSENIC, TOTAL BY CHAAKW 1946 (			63.6	19.2	21.9	25.5	79.5
Arrenio	0000						
	0000		247	1.9	28	716	2
LEAD. TOTAL BY GFAASW 7421 (mg/kg)						2	7/ 88:1
	0.500		19.8	32.9	21.0	\$	
MERCURY, TOTAL BY CVAASW 1471 (mg/kg)					ì	47.8	15.4
Matery	0.242		€ 26	7.00	30.0		
SELENTUM, TOTAL BY GFAA/SW 7740/MFTHON (****)					<b>K</b> 7	<b>4</b> 211	& 8.
Selentium							
	0.500		Ø.414	40.439 IL	₫.418	<b>6</b>	5
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWIZAWNONE (medic)						<b>3</b>	77 OZ+35
1.1.2.2-Tetrachiornethans	0.00500		<0.00574	73000	,4300.00		
1,1,2-Trichlorocthane	0.00500		40.00574	Ø.00554	98000	0.00554	<0.00563
1,1-Dichloroethere	0.00500		<0.00574	40,00554	4) (105RK	4,0054	€95002e3
1, 1-Dictiforcethane	0.00300		40.00574	<0.00554	Ø.00586	15000F	40.00563
	0.00300		40,00574	<0.00554	40.00586	Ø.00554	Q.(00563
							(C.W.)

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DATA SUMMARY TABLE

Arrespace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

DATA SUMMARY TABLE Arospace Museum Site Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

		Semple ID: FDI 19.01	OT38136A	CTABLACE		
			22-OCT-95	22.0CT 06	013814SA	OT3815SA
	Quantitation		00.50	56-1-33-77 56-1-33-0	22-OCI-95	22-OCT-95
PARAMETER/METHOD/UNITS)	L'imite	Duplicate of C		07.00	0.0 - 2.0	0.0' - 2.0'
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWITTRSWASSE /						
2,6-Dinitrotoluane						
2-Chloromaphthalene	0.333	9/3/6	Ø.386	<b>8</b> .∀	40,368	D 374
2-Chlorophenol	0.333	Ø.376	Ø.386	€.5	€0.368	40.374
2-Methylmphthalens	0 444	40.376	40.386	£.53	90€.⊖	Ф,374
2-Methylphenol	6.03	40.376	938€	4.93	99.00	40,374
2-Nitrosmiline	CC. 7	0.376	986. D	<b>8</b> .	<b>89</b> (0)	77.00
2-Názophenol	/0.5	88. ▽	<b>8</b> .⊳	19:60	<b>Z</b>	
3,3'-Dichlorobenzidine	0.333	40.376	<b>386</b> ⊕	56.⊳	998	47£ ©
3-Nitroantiine	) (8)	40.752 J	Q.77.3 J	€ 78.5	D 7.5K 1	100
4,6-Dinitro-2-methylphenol	<u> </u>	88. ▽	86.⊅	19.60		
4-Bromodyenyl phenyl ether	1.67	88. ▽	4.99 J	€ 69.67	7	- 6 5 7 7
4-Chloro-3-methylphemol	0.333	0.376	0.386	66.∀	3,5	1 6
4-Chloroeniline	0.333	Ф.376	€0.386	56.	87. G	6.5/4
4-Chloropharyl nhenyl who	0.667	40.752	€773	<b>187</b>	, e	4/5/9
4-Methylphenol	0.333	40.376	98€	5	R 97.	<b>4</b> .9
4. Nitronniline	0.333	40.376	986	<b>8</b>	95.6	4/5/9
4-Nitrophora	1.67	<b>88</b> : ▽	86 ∨	6.6	7	40.374
Accorditions	1.67	<b>8</b> . ∇	\$ ▽	6.6	<b>5</b> 5	78.⊅
A consolidations	0.333	₩376	<b>78</b> €	7		78.⊳
A of the same	0.333	0.376	988	7 5	7 10km	40.374
Per 4 o Telegraphic	0.333	0.376	<b>78</b> €	3 5		40.374
Pentrola harmana Pentrola harmana	0.333	0.376	986	- 7 V	20°-70°	40.374
Pennyah Masemulana	0.333	0.376	986.0	 S & V V	0.40	40.374
Person h invariant	0.333	0,376	9386		0.47	40.374
Berrand Mineral Manager	0.333	0.376	986	. <b>.</b> ∇		40.374
Berryoic neid	0.333	40.376	38. Q	 S ♥	2 9 9	40.374
Benzy alcohol	1.67	\$3.	28.	8		47.5
Bury henry white here	0.667	Ф.752	Ø.773	2	# 56. CV	/8.₽
Chryste	0.333	40.376	986	- S V	R 36 6	Q.747
Dien-butvirshehelete	0.333	QL 1610.0	986		90.70	40.374
Di-r-octylphthalete	0.333	0.376	0,386	. 88 ∨	150 C	0.3/4
Dibenz(a,h)untiracens	0.333	40.376	€0.386	∠ 83 J	90E	3.5
Dibenzofurun	0.333	40.376	€0.386	7 23 7		2.5
Diethylphthalate	0.333	40.376	40,386	<b>⊘</b> .93	0.0328 JO	4/5° ©
Denoctry tytethelete	0.333	40.376	40,386	<b>8</b> .⊳		A77.0
Fluoranthene	0.333			<b>8</b> .∨	89E.O>	₩.
Fluorense	0 111	0.0212 A	0.0137 JQ	⊄.93	1.26	0.374
Haxachlorobenzene	0.333	27.6	98.0	<b>€</b> .193	O.0181 JQ	40.374
Herachlorobutadiene	0.333	9/5/9	SE (	<b>8</b> .	<b>896</b> .0	40,374
Hexachlorocyclopentadiene	0.333	9/50	985.0	€.53	<b>89</b> €.0	40,374
Hexachloroethane	0 333	9/27/6	98.0	7.93 1	Q.368 J	40.374 1
Indeno(1,2,3-cd)pyrrane	0.333	978	0.386	<b>8</b> .∨	40.368	Ф374
Lacathorome	0 333	9/5/9	98. O	√ 86.⊳	0.256 JQ	Ф.374
Naphthalene	0.333	4.3/6	986	<b>£</b> ; ∇	40.368	₩.
Nitrobenzene	0 444	4.376	9386	<b>8</b> .⊳	O. 0720.0	Ø 374
Pentachlorophenol	8 -	40.3/6	9386	8.∀	40.368	€0.374
Phonanthrope	111	21.13	91.16	\$. <b>8</b> 0	01.∆	7 12
	777.	9/5/0	986.0	€.193	1.13	40 t/4

DATA SUMMARY TABLE
Arosspace Museum Sta
Navai Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Toxas

			2	F6718615	50.00		50000
		Sample Date:	e Dete: 22-0CT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Ounstitution	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	Lients	Notes: Duplica	te of OT3811SA				
PARAMETERMETHOD(UNITS)		.					
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8279/5W3556 (marke) real	ont'd.						
Phenol	ļ		⊄0.376	<0.386	86.∠	₩96.0	<0.374
Рутан	0.333		0.0251 JQ	0.0207	4.93 J	1.25	<0.374
bia(2-Chloroothoxy)teethene	0.333		40.376	₩.0	86.⊅	99€	40,374
bis(2-Chloroothyl)other	0.333		40,376	98¢.⊕	€.⊳	₩96.0	40.374
ba(2-Chlorosopyoyl)ether	0,333		40,376 IL	-0,386 л.	△.93 Л.	40,368 JL	40.374 л.
bis(2-Ethythexyt)phthalate	0.333		<b>₽</b> 0376	€0.386	7 66 ⊳	₩96.0	<b>40.374</b>
n-Nérosodi-n-propylamine	0.333		⊄0.376	40,386	8;⊽	₩96	40.374
n-Nitrosodiphenylamine	0.333		40.376	<0.386	<b>6</b> .⊳	40.368	<0.374
% Surregate Recovery (Control Limit)							
sur-2,4,6-Tribromophenol R% (19-122)	,		89.0	54.1	51.0	55.1	 198
nur-2-Fluorobiphenyl R% (30-115)	T		6.69	70.2	70.0	75.0	81.2
sur-2-Fluorophenol R% (25 - 121)	r		28.0	61.1	49.0	59.1	65.0
nur-Nitrobenzene-d5 R% (23 - 120)	•		63.0	26.0	898	29.0	70.2
nur-Phenol-d6 R% (24 - 113)	•		8,9	55.1	70.0	28.0	0.09
sur-Terphenyl-d14 R% (18-137)			0.16	87.0	111.9	89.9	85.0

Data Qualification Engal/Vetes:

J = Estimated quantitation based upon QC data

IB = Estimated quantitation: possibly bissed high or a false positive based upon blank data

IH = Estimated quantitation: possibly bissed high based upon QC data

IL = Estimated quantitation: possibly bissed low or a false negative based upon QC data

IQ = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use.

351/-3209.29

3
TABLE

DATA SUMMARY TABLE Arrospece Museum Sie Navel Air Station Fort Worth Joint Reserve Base, Carreell Field Fort Worth, Taxes

			100				
		Sernole Date	22.02.T-95	013817SA	OT3818SA	OT3819SA	OT3820SA
	Owntitation	Depth	00.20	0.0 - 2.0	22-OC1-95	22-OCT-95	22-OCT-95
PARAMETER/METHOD/UNITS)	Chaite	Notes		i	2	0.2 - 0.0	0.0 - 2.0
SOL BH - SW9945/NOVE (nem) 623-9045 pH units Soil		;					
	•		7.35	æ.1æ	7.65	7.5	7.27
623-02216 Moisture			;				
	•		12.0	3.00	11.0	18.0	14.0
METALS, TOTAL BY ICPSW6010/SW3050 (mg/kg)							
Antimony	000		4100	1210	9640	01.22	7
Berign	25.0		<20.2	49.1	876⊳	2.08 JO	1 95 1
Beryllium	200		58.1	98.6	115		11 011
Cachnium	0000		0.242	\$2.5	4.37	9090	0 700
Calcium	8.5		908.6	A0.764	40.791	Ø.865	CD. 1888 11.
Chronidan	0.01		85800	285000	118000	00619	72600
Cobalt	8 8		787			9.17	13.9
Copper	8.5		274 JQ		3.56 JQ	4.24 30	4.35 JO
lron	8.5		6.13	3.82 10		90.9	19.8
Magnesium	25.0		0009	2680	6940	8360	11900
Marganese	001		02 <b>5</b> 2	2020	1880	1460	2240
Molybdenem	200		867	£ ;	<b>428</b>	374	329
Nickel **	200			<b>29.8</b>	% ?	1.64 JQ	1.60 Л.
Potassum Silver	0.09		HC 0801	8 8	36.6	8.30 8.30	9.15
SUIVE	2:00			\$ E	2 2 7	<u> </u>	2030
Thelling	25.0		43.4 73	263	R <b>5</b>	c4.32 65.3	<del>7</del> 7
Vapadim	25.0		₹90.2	76₽	#6V	3 6	<b>7</b> 6
Zine	2.00		13.3	3.29 10	17.6	2 6	77.
	1.00		25.3		33.4	16.6	2. t
ARSENIC, TOTAL BY GFAASW 7060 (MATE)						3	0.74
Anenic	0.500		1.57	0.844	# C	-	
LEAD, TOTAL BY GFAASW 7421 (me/le)				<u> </u>	į	7*:1	2.21 IL
Lead	0.500		52.2	3.95	153	041	į
MERCURY, TOTAL BY CVAASW 7471 (mg/kz)					2	25	21.7
Митешу	0.242		<0.264	Ø 240	7	ž	
SELENTUM, TOTAL BY GFAA/SW 7740/METHOD (***/W)					7	*/7·P	40,252
Solenium	0.500		40.427 IL	12.00	Ş		
VOLATILE ORGANIC COMPOUNDS BY GC/MS - SWELLENONE (					77 671-70	0.108 JL	40.430 JL
1,1,1-Trichloroethane	0.0000		,				
1,1,2,2-Tetrachloroethane	0.00500		40.00586 60.00586	<0.00512	€0.00568	<0.00628	<0.00569
1,1,2-Trichloroethane	0.00500		©.005 <b>8</b> 6	<0.00512 <0.00512	40.00568 60.00568	€0.00628	€9500.0>
i.iDebioroetiane	0.00500		20.00586	40.00512 40.00512	89600.00	40.00 <b>628</b>	€9500.0>
	0.00500		<0.00586	<0.00512	\$00000	87000D	Ø:000
						970000	<0.00569

DATA SUMMARY TABLE Arrospace Maseum She Navel Alr Station Fort Worth Joint Reserve Base, Carwell Fisid Fort Worth, Texas

		į	OT201464	4361364C	TOBLETO		
		ommbie ID	OI SAI BAA	01361/3A	O Delega	CISCISCIO CONTRACTOR C	70 100 CE
		Semple Date:	22-OCI-95	22-00-1-95	22-OC1-95	22-02-2	66-120-77
	Ownstitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETERAMETHODOUNITS	Chaite	Notes					
VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8240/YONE (ME/BR) CORT.			10000	41,000	*******		9000
1,2-Dethoroethere	00000		20.00380	400512 6) (00512	40.00368	4).00628	6500.05 600.05
2.Patenterophysical (AFE)	00100		40017	Ø 0102	40.0114	Ø.0126	Ø.0114
2-Chlorostyvi vinyl ether	0.0100		4 0111	Ø.0102 R	_	Ø.0126 R	Ø.0114 R
2-Hexanone	0.0100		€0.0117	₹ 2010/0>	0.0114 J	40.0126 J	Ø.0114 J
4-Methyl-2-pentanone	0.0100		40.0117	<b>₩</b> 0.0102	€0.0114	<b>€0.0126</b>	40.0114
Acetone	00.0100		<0.0117	d.0102 J	40.0114 J	40.0126 J	Ø.0114 J
Вепдене	0.00500		<0.00586	<0.00512	40.00568	⊄0.00628	€9500.0>
Bromodichlor anothene	0.00500		<0 00586	<0.00512	€0.00568	<0.00628	€9500:0>
Bromoform	0.00500		0.00586	<0.00512	40.00568	€0.00628	€9500.0
Bromomethene	0.0100		₩011	Ø.0102	₩110.0	40.0126	Ø.0114
Carbon disulfide	0.00500		0.00586	⊄.00512	40,00568	€0.00628	€9500.0
Carbon tetrachloride	0.00500		<0.00586	<0.00512	40,00568	€0,00628	<0.00569
Chlorobenzene	0.00500		€0.00586	⊄0.00512	40.00568	€0.00628	€9500.0>
Chloroethane	0.0100		<0.0117 J	<0.0102 J	<0.0114 J	<0.0126 J	<0.0114 J
Chloroform	0.00500		€0.00586	< 0.00512	40,00568	40.00628	€9500.0>
Chloromethane	0.0100		40.0117	<b>40.0102</b>	40.0114	Ø.0126	4.0114
Dibromoduloromethane	0.00500		<0.00586	⊄.00512	40.00568	<0.00 <b>€28</b>	€9500.0
Ethylbonzone	0.00500		0.00586	<0.00512	€0,00568	40.00628	€9500.0>
Methylene chloride	0.00500		0.00586	<0.00512	40,00568	40.00€28	€9500.0>
Syrene	0.00500		<0.00586	₹0.00512	₹ 00568	€0.00628	40.00569
Tetrachlorosthens	0.00500		<0.00586		99.00568		
Toluene	0.00500		<0.00586	0.00203 JQ	€0.00568	0.00115 JQ	0.000670 JQ
Trichloroethene	0.00500		0.00586	40.00512	₩ 000.00	€ 00628	Q)00269
Vinyl acetate	0.0100		40117	Ø 0102	4100	0.0126	\$110°B
Vinyl chloride	0.0100		Ø.0117	2010 P	40.0114	97.0126	\$110°0
Xylenes (total)	0.00500		986000	20:00≥12	Ø 000 00	Ø.00628	€95000₽
cir-1,2-Dichloroethene	000000		Q1.00586	<0.00512	\$000.00 0.000.00	40.00628	\$9600.F
cis-1,3-Dichloropropene	0.00500		<0.00586	<0.00512	Ø 000 00	40.00628	69500.0
trans-1, Z-Dichloroethere	0.00500		<0.005%	21500.05	8000000 8000000	40.00628	69600.00
trans-1,3-Dichloropropens	0.0000		47.00280	71cm/n>	20,000 os	40.000/d	49CM).D
26 Surrugate Recovery (Control Limit)							
nur-1,2-Dichlorcoethane-d4 R% (70-121)	•		6601	105.1	104.0	0.00	101
sur-Bromofluorobenzene R% (74-12))			92.0	<u>z</u>	0.16	0.0	85.1
mr-Toluene-d8 R% (81 - 117)	•		100.0	100.0	- 1.86 - 1.96 - 1.96	6:96	T:86
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCAMS - SWR270/SW3559 (mg/kg)							
1,2,4-Trichloroberzene	0,333		€0.377	0.342	<0.372	<del>0</del> .40	€9383
1,2-Dichlorobenzene	0.333		€0.377	₫.342	<0.372	<b>(0+</b> (0+)	€96.00
1,3-Dichlorobenzane	0.333		€0.377	0.342	<0.372	Ð.40 <u>1</u>	<0.383
1,4-Dichlorobenzame	0.333		<0.377	<0.342	<0.372	[ <b>0</b> +0	€983
2,4,5-Trichlorophenol	1990		€7.75	<0.683	<0.74 <b>4</b>	<0.803	€97.05
2,4,6-Trichlorophanol	0.333		<0.377	<0.342	40,372	△0.401	₫.383
2,4-Dichlorophenol	0.333		€0.377	₫ 342	₫.372	⊕ ₩	₩ 983
2,4-Dimethylphenol	0.333		40.377	<0.342	40.372	<b>(0+0)</b>	<0.383
2,4-Dinitrophenol	1.67		7 68 ₽	1 11 1	<1.86 1	7.01	1 16.1>

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DATA SUMMARY TABLE
Arrespace Massum Site
Naval Alf Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

			₩ 20 × 0	45 C	A COLOCTO		
		Sample Date:	22-OCT-95	22-OCT-95	22-0-T-06	0138198A	OT3820SA
	Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	00.20	22-02-33	22-OCT-95
PARAMETER/METHOD(UNITS)	Limits	Notes		<b>)</b>		0.2 - 0.0	0.0 - 2.0
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWEPANSW3559 (meth)	V3559 (me/ke) cont'd.						
2,6-Dentrotoluene	0.333		744 (P	416	•	;	
2-Chloromaphthalesse	0.333		72. (D		7/5/07	<b>⊕</b>	Ø.383
2-Chlorophenol	0.333		7410	25.6	4.372	<b>9</b> .40	<b>68</b> 3
2-Methymaphthalene	0.333		40.177	55.6	2,57	₩.	Q 383
Z-Methylphenol	0.333		C 1477	35.6	40.372	<b>Q</b>	€983
Z-N rtroeni me	19		7	75.7	40.3/2	<b>Q</b>	<0.383
2-Nitrophenol	100			T. ₩	<b>%</b> .∀	<u>2</u> 0.0	<b>I6</b> : ▷
3,3'-Dichlorobenzidine	0,667			Q.¥2	Ф.372	<b>10</b> +0	€983
3-Nitrouniline	/90%		4.755	Ø.683	<0.744	€0.803	\$7.00
4,6-Dinitro-2-methylphenol	/6.7		<b>2</b> € :	17.∀	98.1>	<u>5</u>	5
4-Bromonhanyi phenyi ether	/9:1			L'.Þ	98:⊽	200	7 5
4-Chloro-3-methylphenol	0.333		<b>₩</b>	0.342	€372	9	
(Chlomaniline	0.333		€.377	<0.342	C0172	\$ <b>\$</b>	6.36
	0.667		Ф.755	40.683 1	147.6		
e-cucoopping promyr and	0.333		Q317	- CR. C		506.0	40.765
- Wednyiptenol	0.333		£447	5	7/50		€383
4-Nitroemilere	1.67		2	7 7	2/6/0	₩.	€96.0>
4-Nitrophenol	1.67		2 2	7.5	8 ;	<b>5</b>	<u>8</u> .⊳
Acmaphthene	0.333		£ 5		<b>%</b> .	<b>5</b>	8. ⊳
Acenaphithylene	0.333		£ 6	7 F	40.372	₩.	€963
Anthrecase	1110			25.0	40.372	<b>10</b>	€96.0
Benzi a) muthracense	0.333		12.6	25.6	Q.372	<b>9.40</b>	40.383
Benzo(a)pyrene	0.333		12 E	35.6	40.372	<b>9</b> . <b>6</b>	0.383
Benzo(b)fluorienthene	0.333		0377	7 S	4.372	<b>₽</b>	<0.383 J
Period (L.) (pay) and	0.333		<b>€</b> 0.377	936		<b>6</b> .6	<b>1</b>
	0.333		40.377	φ 342	275.00	<del>2</del> <del>2</del> <del>2</del>	
	1.67		<b>26</b> . ▽		7 7	7 F	<b>68</b> 6.0
Desiry) atomio) Desiry Lead - Letter - Letter	1990		<b>₩</b> .755	(B) (B)	3.5	T &	<b>5</b>
Change of the second se	0.333		<b>€0.377</b>	Ø 342	£ 5	6.60 6.60	40.765
Can years	0.333		40.377	Q 362	3.5	<b>7</b> €	0.363
Dis out the best of the second	0.333		40.377	Q 342	200	₹ <b>₹</b>	
	0.333		40.377	342	G 37.2	<b>3 9</b>	CBC 0
	0.333		40.377	0.342	2017	<u> </u>	E86.0
Distriction of the control of the co	0.333		40,377	0.342	24.0	<b>7 6</b>	
Principle de la la la la la la la la la la la la la	0.333		<b>€0.377</b>	Q.342	51.6	. €	Q. 363
	0.333		Ø.377	€ 9342	52.5	<b>7</b> 9	
	0.333		0.0294 JO	Ф.342	0000	₹ ₹	
Garach Jacob Carach	0.333		40.377	€0342		<b>7</b> 9	CSK:0
Have believed the contraction of	0.333		40,377	Ф.342	CA (D	<b>2 5</b>	- FEE
	0.333		€0317	C4F Ø		<b>3 9</b>	C36.0>
Present or of the second of th	0.333		4.377 1	0360	- 60	₽ <b>?</b>	€983
	0.333		71.0	5 6	7/5/0		_ 686. Ø
moeno(1,4,3-cd/pyrene	0.333		711	25.6	2/5/0	<b>₩</b>	Ø.383
Inopriorine	0.333		40.177		215.0	<del>6</del>	Ø.383
Naphthalene	0.333		121	24.0	40.5/2	<b>19</b> -0	40.383
Nitrobenzene	0.333		A 377	2 5	4.3/2	₩.	€983
Ferractionophenol	1.00		E	7 7	215.00	<b>Q</b> ;	€983
Thenamethrene	0.333		£ 5	7.7	4.12	<b>2</b> 4.	4.15
				765	7/5/7	₹ ₹	200.00

TABLE C.1

DATA SUMMARY TABLE.
Arrospece Museum Sie
Navai Air Smilem Fert Worth Joint Reserve Base, Carawell Field
Fort Worth, Texas

		Semple D	CT3816SA	OT3817SA	OT3818SA	OT38195A	OT3820SA
		Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)	Lenits	Notes:					
STATUTE ORGANIC COMPOUNDS BY GCAMS - SWILT DESWARD conf.	550 (ms/ks) cont'd.						
Phenol	1		<0.377	Ø.342	40.372	Ø. <b>4</b> 01	40.383
Ругате	0,333		O.0319 JQ	40.342	<0.372	©+0}	<0.383
bis(2-Chloroethoxy) methans	0.333		△0.377	40.342	<0.372	₩.	<0.383
bin(2-Chloroethyl)ether	0.333		₩317	40.342	40.372	<b>₩</b>	<0.383
bis(2-Chloropopropy) ethan	0.333		40,377 IL	40.342 JL	40.372 JL	A.401 7.	<0.383 JL
bis(2-Ethylhexyl)phthalate	0,333		40.377	40.342	€0.372	<b>10+</b> (0)	<0.383
n-Nitrosodi-n-propylanuse	0,333		€0.377	40.342	€0.372	₩.	<0.383
n-Nitrosodiphanylamine	0,333		40,377	8 32	40.372	Ø.401	40,383
% Surregate Recovery (Control Limit)							
nur-2,4,6-Tribromophensol R% (19-122)	•		57.1	63.1	29.0	63.0	62.0
nu-2-Fluorobiphenyl R% (30-115)	t		78.0	67.8	62.9	1.98	65.8
sur-2-Fluorophenol R% (25-121)	,		62.0	<b>21</b> .0	90.0	53.0	91.0
nar-Nitrobenzeno-d5 R% (23 - 120)	•		89.9	825.8	53.0	90	29.0
sur-Phenol-d6 R% (24 - 113)	,		3	<b>3</b> 6	63.1	0.40	63.9
sur-Tembanyl-dl4 R% (18 - 137)			91.0	8.56	89.0	84.0	71.8

Date Opailification Flage/Notes:

J = Batimated quantitation based upon QC data

IB = Batimated quantitation possibly bissed high or a false positive based upon blank data

IB = Batimated quantitation: possibly bissed high based upon QC data

IL = Estimated quantitation: possibly bissed high based upon QC data

IQ = Batimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use.

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TABLE C.1

DATA SUMMARY TABLE Arospece Museum Sits Naval Air Station Fort Worth Joint Reservs Base, Carswell Fleid Fort Worth, Texas

		Seruple ID	OT3821 SA	FDUP-02	OT38278A	OTSPRISE
	Out of the state of	Sample Dete	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
PARAMETER/METHOD/UNITS)	Limite	Notes:	0.6 - 2.0	0.0° - 2.0° Duplicate of OT3821SA	0.0 - 2.0	0.0*-2.0*
SOIL PH - SW PMS/NONE (8000) 623-9045 pH units Soul			757	77.		
PERCENT SOLID - D2216 NONE (percent)			5	<b>9</b>	<b>&amp;</b>	7,38
	ı		6.00	7:00	19.0	15.0
METALS, TOTAL BY ICP/SW6616/SW3656 (metho)						
Artmony	200		4240	4040	12700	11000
Berian	25.0		<b>△8.</b> 1	√18.9	Q1.5 IL	700 V
Berytkum	200		69.5	1 201	148	132
Circlmium	96.E		712	4.27	0.964	0.746
Calcium	10.0		19 (00)	40.757	40,860 JL	Q1.829
Chroman	2.00		36.2	77.00		\$0000
Coouli	200			9.5	22.1	10.4
from	200		434 10	CF 60E	2.03	4.23
Menne	2:00		4100	7 689	10501	88.7
Management	25.0		2000	2930	2170	92.6 2.6
Molyddenam	8:		372	£2	8/9	837
Nickel	8.5		1.23 10	1.51 AQ	2.19 IL	8 6
Potassium	000		681	202		82.6
Silver	200		2 7	962	1880	1320
Sodium	25.0		1 1 1 1 1	\$5.7 <b>8</b>	0.613 JQ	4.14
Parliam Name at man	25.0			- X - 7	3 6	95.1
	2:00		8.62	V. 6.	7 ×	£ 56.7
	00'T		63.2	70.2	35.0 3	2 2
ARSENIC, TOTAL BY GFAAASW 7040 (1912/14)						
Abenic	0.500		0.789	1.14	± 77 I	1200
LEAD, TOTAL BY GFAA/SW 7421 (mg/kg)				•		(%)
Dept	0.500		9.10	9.74	1K 2 II	
MERCURY, TOTAL BY CVAA/SW 1471 (me/he)						E 0.53
Maculy	0.242		Ф.210	Ф.252	₩246	Ę
SELENIUM, TOTAL BY GFAASW 7740METHOD (MACA)					<u>}</u>	
Selenum	0.500		△.90 Л.	<b>⊕</b> .371	A 448 F	ş
VOLATILE ORGANIC COMPOUNDS BY GCASS - SWILLENONE (mete)					1	77.
1,1,1-1Indiacochamb	0.00500		⊄0.00526	1500 E	9000	
	0.00500		€0.00526	1900	80000g	40.00584
1,1,4-11001000000000000001 1	0.00500		40.00526	F1900 15	80000 F	0.00584
1 Dichloractors	0.00500		<0.00526	Ø 000E	90000	400084 60084
1.2-Dichlerosthere	0.00500		€0.00526	<b>F1900</b> (0>	000000	4.00584 4.00584
1.2-Dichloropoppe	0.00500		<0.00526	<0.00614	00000	4000g4
2-Butanone (MEK)	0.00500		<0.00526	<0.00614	<0.00608	40.00584
2-Chloroethyl vinyl ether	8100		40.0105 J	40.0123 J	<0.0122 J	40.017
2-Hexamorie	00100		A.0105	40.0123	400122	40.0117
	2000		<0.0105	40.0123	<0.0122	<0.0117

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DATA SUMMARY TABLE Arospec Museum Site Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Sample ID	OT3821SA	CO-BINET	OT3822SA	ARCHEO
		Semple Date	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Ownetttation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETERMETHODUNITS	Limits	Notes:		Duplicate of OT3821SA		
A.Mathal. Journal of the Control of	00100		3010 6	5	55	17.00
Acetone	0.0100		8008	8002	8.00	40.017
Benzene	0.00500		Ф.00526	₩ 000614	909000₽	
Bromodichloromethane	0.00500		<0.00526	⊄0.00614	90900:0>	40.005 <b>84</b>
Bronoform	0.00500		<b>€0.00526</b>	₹0.00614	00000€	40.00584
Bromomethiene	0.0100		<0.0105	<0.0123	40.0122	40.0117
Curbon disulfide	0.00500		<0.00526	₹0.00614	€0.00608	40.00584
Carbon tetrachloride	0.00500		€0.00526	40.00€14	0900.0>	<0.00584
Chlorobenzene	0.00500		90000		40.0060 <b>8</b>	40.00584
Chloroethere	0.0100		8008	<0.0123	Ø.0122	0.0117
Chlorotorm	000000		00.00526	40.00614	90900€	<0.00584
Chloromethane	00100		\$000	62.10.50 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	0.0122	40.0117
Distriction of the property of	000000		Ø.00526	40.00614	40:00e08	<0.00584
Edityleshions Markelane ablanida	0.0000		8200.0	40.00614	\$0,00608 \$0,00000	40.005 <b>84</b>
Shares	00000		87500'S	4 (000) (A	40.00608	40,0054
Tatachkonsthans	00000		80000 P	40.000	40.000g	40.00584
Takens	00000		870000 870000 870000			4500.05 400.05 400.05
Trickforest	0.0000		97500.0	0.0015/ AQ	0,0000 AU	40.00584
Viral scales	Delon.		8000 P	#1000.3	6.000 7.106	4.0034
Virwl chloride	00100		50.00	8 6 5 3	9 5 5	- FEE
Xylence (total)	0.00500		€0.00526	Ø.00614	90900₽	Ø 00084
cis-1,2-Dichloroethene	0.00500		€0.00526	40.00614	40.0060	<b>€0.00584</b>
cis-1,3-Dichloropropene	0.00500		0,00526	<0.00614	40.00608	40,005₽4
trans-1,2-Drahoroethere	000000		40,00526	40.00614	40.00608	<b>40.00584</b>
uma-1,3-Danopare	0.00500		40.00526	40.00614	40,00608	0.00584
% Surrucus Recerent (Control Limit)						
sur-i, 2-Dichloroethane-d4 R% (70-121)	•		11011	106.0	106.9	110.1
sur-Bromofluorobenzene R% (74-121)	•		95.1	1.68	676	1.16
nur-Toluene-d8 R% (81 - 117)			0.001	- <del>2</del>	103.9	97.1
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8270/SW3559 (me/le)						
1,2,4-Trichlorobenzene	0.333		40,352	40.355	90,406	90.390
1,2-Dichlorobenzene	0.333		€352	<0.355<	90 <del>4</del> .6>	06€.0>
1,3-Dichlorobenzene	0.333		<0.352	40.355	40.406	Ø:390
1,4-Unchlorobenzene	0.333		€352	40.355	Ø. 40€	98.0
2,4,5-Inchlorophenol	0.667		Ø.70	Ø.710	0.812	Ø.781
2,4.0-1 nonlorophenol	0.333		<b>€0.352</b>	<0.355	9040	9330
2,4-Dichigrophentol	0.333		Ø.352	40.355	9,496	93.330
2,4-Danethylphenol	0.333		Ø.352		Ø. 60€	0.390
Transfer of the state of the st	/9.1		0 7	<b>4</b> . <i>H</i> <b>1</b>	<2.03	85 ⊳
2,4-Uningrotolucite 2,7-Uningrotolucite	0.333		<b>©.352</b>	40.355	\$6	9330
	0.333		<0.352	40.355	<b>\$</b>	<b>8</b> 6.9
	0.553		di 352	40.355	940	<b>8</b> 6.5
2-Makington history and a second seco	0.333		<0.352	Ø.355	Ø. 90€	96. G
2. Markuluhanut	6.53		© 352	40.355	9 9	08E.⊖
2-Nitrogenijene	1 67		25.0	(6.35)	9. E	06.5 7
2-Nitraplenol	/9.1 FEE 0		9.79	33.6	50.03	S
	,	· **	4000	228.4	ž	. 12.

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DATA SUMMARY TABLE
Arcepper Missens Site
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

### Depth: 0.0 - 2.0			Sample ID	OT3821SA	FDUP-02	OT3822SA	OT3823SA
Color   Colo		Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
VOLATILE ORGANIC COMPONITOR IV GCAGE - SWIETPREVIASSE (market) conference in the conference in th	METHODUMINS	Libraitts	Notes:		Duplicate of OT3821SA		
167   4.76   4.70   4	LE ORGANIC COMPOUNDS BY GCMS - SWEITWSW3599 (metho) coat' &						
167   4.75   4.77   4.75   4.77   4.75   4.77   4		0.667		∆0,70 <u>4</u>	01.710	Ø.812	187.00
167   4736   4737   4	•	1.67		4.76	<i>1</i> .10	20.03	8 ∨
0.3.3.1 colorable         0.33.3         0.35.2           0.3.4 colorable         0.33.3         0.33.2           opinior) planty their plant	sthylphenol	1.67		97.⊅	1 11.12	<2.03	₹ 5
oralities of participation of 6673 of 373 oralities of participation of 6673 of 373 oralities of animalities of	phenyl ether	0.333		₫.352	40.355	90400	₩ 330
Optionally planty of the cycles         0.3667         0.3704         J         Option of J	yiphenol	0,333		<0.352	40.355	40.406	380
167   0.333   0.332	•	0.667		40,704	Q.710 J	<0.812 J	40.781
15.73   15.75	phanyl ether	0.333		€352	Q.355	40.406	930
167   476		0.333		40,352	<0.355	Ø.406	€030
1,07   4,16		1.67		4.76	<i>t</i> .⊳	<b>4</b> .03	8.₽
December   December		1.67		9.76	#.₩	4.03 1	1 56.⊳
December		0,333		Ф.352	40.355	<b>8</b> .40€	€0.390
March   Marc		0.333		€352	40.355	40.406	0330
Approxes		0,333		Ф.352	<b>40.355</b>	40.40¢	€0390
December   December		0.333		Ф.352	40,355	90406	0.390
1,000 months   0,00	-	0.333		<0.352	40.355	<b>40</b> .406	0330
Company   Comp	there	0.333		<0.352	40,355	90+06	€0330
10.333   0.332     10.333   0.332     10.333   0.332     10.0667   0.0667   0.376     10.333   0.332     10.333   0.332     10.333   0.332     10.333   0.333     10.334   0.332     10.335   0.333     10.335   0.333     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.335   0.335     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     10.355   0.355     1	lerie	0.333		₫352	40.355	904.0	Ø.38
167   4.76     167   4.76     167   4.76     167   4.76     167   4.76     178   4.78     178	thene	0.333		<0.352	Q.355	90+0	Ф390
alcohol alcoh		1.67		91.16	11.10	<b>4</b> .03	\$6.₽
0.333   0.332		0.667		Ø.70 <b>4</b>	<b>₩</b> .710	<0.812	. 28. ∆ 187. ⊕
cylphthalate         0.333         0.352           cylphthalate         0.333         0.352           cylphthalate         0.333         0.352           cylphthalate         0.333         0.352           charan         0.333         0.352           charan         0.333         0.352           charantee         0.333         0.352           charantee         0.333         0.352           cordenzene         0.333         0.352	Talista	0.333		<0.352	<ul><li>40.355</li></ul>	40.40¢	€0330
Q.333         Q.332           Sylphthuste         Q.333         Q.332           Abenthuser         Q.333         Q.332           Africal         Q.333         Q.332           Pathialse         Q.333         Q.332           Ophthalse         Q.333         Q.332           Ophthalse         Q.333         Q.332           Order         Q.333         Q.332           or obstance         Q.333         Q.333           o		0.333		<0.352	<b>△0.35</b> 5	904.09	€0.390
Oygenthesise         0.333         0.332           Oyberthasise         0.333         0.332           pikhalise         0.333         0.332           pikhalise         0.333         0.332           pikhalise         0.333         0.332           dorne         0.333         0.332           crobatises         0.333         0.332           crobatishase         0.333         0.352           one         0.333         <		0.333		Ф.352	40,355	40.40¢	€0330
A District received   0.333   0.332		0.333		<b>40.352</b>	◆0.355	40.406	0330
0.333   0.332		0.333		Ф.352	<b>40.355</b>	904.6	Ф.390
1,23		0.333		₫.352	40.355	9,40€	Ф390
1,23		0.333		₫352	Ф.355	90.40€	0.390
0.333   0.352	8	0.333		€352	<0.355		40.390
Oracle branches         0.333         0.332           Corrobutacione         0.333         0.352           Corrobutacione         0.333         0.352           Corroctiume         0.333         0.352           Corroctiume         0.333         0.352           Corroctiume         0.333         0.352           Corroctiume         0.333         0.352           On 352         0.333         0.352           Corroctiume         0.333         0.352           On 352         0.333         0.352           Active         0.333         0.352		0.333		40.352	40.355	0.0383 XQ	₩390
Comparison		0.339		40,352	40.355	9.406	0330
Corocyclopertaction         0.333         0.1352           Corocyclopertaction         0.333         0.1352           Corocyclopertaction         0.333         0.1352           Corocyclopertaction         0.333         0.1352           One         0.333         0.1352           One         0.333         0.1352           One         0.333         0.352           Or corporation         0.333         0.352           Or correction         0.333         0.352		0.333		70.352	40.355	90408	03,360
Constitution	and the same of th	0.555		20.352	40.355	⊕ • <del>100</del>	€.390
Comparison		0.333		25.00	40.355	⊕. <b>406</b> J	0.390
0.333   0.332   0.332   0.333   0.332   0.332   0.332   0.333   0.332   0.332   0.332   0.333   0.332   0.332   0.333   0.332   0.332   0.0332   0.0333   0.332   0.0332   0.0333   0.0332   0.0332   0.0333   0.0332   0.0332   0.0332   0.0332   0.0332   0.0333   0.0332   0		0.333		Ф.352	Ф.355	90406	40.390
0.333   0.332	in the second se	0.333		40.352	40,355	9740€	0.390
Market   M		0.333		Ф.352	<b>⊕</b> ,355	90+06	0.390
0.333		0.333		₫.352	40.355	90406	0330
100 4,06  100 4,06  100 4,06  100 333  0,333  0,333  0,333	-	0.333		Ф.352	<b>40,355</b>	Ø.406	€0.390
(1) (1) (1) (2) (3) (4) (3) (4) (3) (4) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	5	8.		Ø.	8.∀	<b>7</b> .∇	4.17
0.333 0.332		0.333		Ф.352	<b>40,355</b>	90406	₩ 390
		0.333		₫.352	40.355	90,40€	938
766'D 666'D		0.333		₫352	Ø.355	0.0290 JQ	Ф.390

DATA SUMMARY TABLE. Areospace Museum Site Naval Air Station Fert Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Semple ID	OT3821 SA	FDUP-02	OT3822SA	OT3823SA
		Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Ousaditation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	2	Notes		Duplicate of OT3821SA		
PARAMETER/METHOD/UNITS)						·
SEMI-YOLATILE ORGANIC COMPOUNDS BY GCMS - SWIZ7M5W3559 (macha) cont'd.						
bis(2-Chloroethoxy)methane	0,333		<0.352	40.355	€0.406	40,390
bis(2-Chloroethyl)ether	0.333		⊄0.352	<b>₩</b> 355	Ø.406	40.390
bis(2-Chlorosopropyl)ether	0.333		40.352 JL	40.355 JL	A) 406 JL	<0,390 JL
bis(2-Ethythecyl)phthalete	0.333		₫.352	<b>40.355</b>	904.0	06€.0>
n-Nitroeodi-n-propylamine	0.333		€352	<b>₩</b> 335	904.0	€0.390
n-Nirosodiphenylamine	0.333		Ф.352	Ф.355	40.406	40.390
% Surregate Recovery (Control Limit)						
sur-2,4,6-Tribromophenol R% (19-122)			0.09	43.0	63.1	57.0
sur-2-Fluorobiphenyl R% (30-115)	•		29.1	\$4.9	0.79	67.2
sur-2-Fluxrophenol R% (25 - 121)	•		45.1	43.0	51.1	51.9
sur-Nitrobenzene-d5 R% ( 23 - 120)	•		44.9	361	54.9	82.5
war-Phenol-d6 R% ( 24 - 113)			57.0	421	96.0	27.0
sur-Terphenyl-d14 R% (18 - 137)			100.9	100.8	67.0	0.69

Data Ossalifications Fraga/Notes:

J = Estimated quantitation based upon QC data

IB = Estimated quantitation possibly based high or a false positive based upon blank data

IB = Estimated quantitation possibly bissed high based upon QC data

IL = Estimated quantitation possibly bissed high based upon QC data

IQ = Estimated quantitation: detected below the Fractical Quantitation Limit

R = Datum rejected based upon QC data: do not use

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TABLE C.1

DATA SUMMARY TABLE Arcospace Museum Site Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Sample ID:	OT3824SA	OT3825SA	OT182664	OTSONS C	
		Sample Date:	22-OCT-95	22-OCT-95	22-00-T-06	72 CCT OF	OI 38Z8SA
	Quantitation	Depth	0.0 - 2.0	00.20	06-20	22-021-93	22-OCT-95
PARAMETER/METHOD/UNITS)		Notes:		ì	0.2 - 0.0	0.0 - 2.0	0.0 - 2.0
601 OAS AN WAS CAUSED							
noo ann tag croc.can	•		7.38	7.54	5	176	
PERCENT SOLID . D2216 NONE (percent)					3	Gr.	7.75
623-D2216 Moisture	,		97.	;			
	•		0.01	0	13.0	9.00	10.0
METALS, TOTAL BY ICP/SW60(0/SW3050 (me/le))							
Authorit.	50.0		208m	13300	;		
Anthority	25.0		Š	350	046.		9509
בייוניים מייניים	2.00		¥1	7	9 9: 1	2.42 JQ	9.6▷
Detyline	0.300				£ 58		63.3
	1.00		# T	Y 7/1	7.4	1.62 70	<b>4.39</b>
	10.0		00595	600031	/28.0>	<b>90.</b>	⊄0.782
	8.00		771	3, 1, 2	159000	284000	188000
Cobatt	005			Z 57 57	4.14		<b>3.6</b> 0
Copper	2005		\$ 5 5	223 70	2.40 10	3.15 20	2.27 JO
	20.5		C 01	<42.9	4.96 JQ	OY 68.8	3.91 10
Megnesian	200		0000	1200	0717	11000	
Manganese	8		3200	2200	1810	2340	2340
Molybdenum	8.5		<b>2</b>			538	36.
Nickel	8 5		86	2.49 10	207 30	2.99 JQ	2.03 JO
Polestann 	009		0.45	1.63.	218	<b>738</b>	
Silver	935		D#/2	9820	955	1260	1210
Sodium	250		R 3	8.3	4.14	20.2	26.5
Thailmen	25.0		Ā (	<del>5</del> 2	19.2	787	121
Veradium	905		9 8	7:5	69	<b>207</b>	49.6
curc	1.00		3 % 5.	37.5	19.7	8 2	15.2
AUSENIT TOTAL BY OUR A SEC MAN AND AND AND AND AND AND AND AND AND A			}	4	<b>6</b> 77	77.3	70.9
Arrenio							
	0.500		1.86 JH	1.32	116 11	717	i
LEAD, TOTAL BY GFAASW 7421 (mare)						<u>*</u>	3.21
Lead	050		ć	•			
			7.70	16.6	16.3	16.2	14.2
MERCURY, JUIAL BY CVAA/SW 7471 (me/kg)							
	0.242		40.344	0,256	27.00	200	,
SELENIUM, TOTAL BY GFAA/SW 7740/METHOD (melle)					Ì	147.5	40.263
Selenium	0.500		Ø.	5	:		
VOLATILE ORGANIC COLPOTINGS BY COASS STREET					77 11 75	0.413	△.89 л.
1.1.1-Trichloroctume							
1.1.2.2-Tetrachioroethere	0.00500		D.00574	0.00540	9950U (D	9000	
1,1,2-Trichloroethume	0.00500		40.00574	<0.00540	A) 00 \$6	9000	40.00552
1,1-Dichloroethune	0,00500		<0.00574	<0.00540	99500₽	0000	40,00552
1,1-Dichloroethene	0.00500		⊄0.00574	<0.00540	99500	00000	40,00552
1,2-Dichkoroethans	0.00500		<0.00574	€0.00540	995000₽	Ø 000540	40,00552
1,2-Dichloropropune	00000		€0.00574	<0.00540	€000566	Ø 00540	700000
2-Butanone (MEK)	00000		40.00574	€0.00540	99500.0>	<0.00540	750000
2-Chloroethyl vinyl ethar	850		0.0115	Ø 0108	40,0113 J	00000	0.100
2-Hexanope	866		40.0115	Ø.0.08	€110.0	<b>8010</b> Ø	
			CI 10:05	&0.0108 80 100	₹0.0113	<0.0108	Ø.0110
i							

DATA SUMMARY TABLE
Arrospace Museum Site
Naval Air Station Fort Worth Joint Resorve Base, Carrwell Field
Fort Worth, Texas

		Semale D	OTTRACA	OTAROGGA	OTTRACA	OT38778A	OT182988
		Sermple Date	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Ownerdtation 1 feete	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD(UNITS)	2	. BOYON					
YOLATILE ORGANIC COMPOUNDS BY GCMS - SW82440'NONE (marke) cont' 4.							
4-Mothyl-2-pentanone	00100		0.0115		0.0113		€0.0110
Acetone	00000		C 511015	8010.0	C110:00	Q:010:00	0110.0
Pontockillocomethens	0.00500		A 000574	6 00 S40	90000	G (00540	4) m552
Bronofam	00000		△0.00574	€0.00540	999000	0.00540	△00052
Bromomethene	00100		40.0115	901000	€1100	8010 Q	0110
Carbon disulfide	0.00500		€0.00574	Ø.00540	00000	0,00540	<0.00552
Carbon tetrachilonide	0.00500		⊄0.00574	<0.00540	0.00566	0,00540	⊄0.00552
Chlorobenzene	0.00500		⊄0.00574	⊄0.00540	40.00566	<0.00540	<0.00552
Chloroethane	00100		40.0115	40.0108	40,0113 J	0.0108 €	40.0110 J
Chloroform	0.00500		40.00574	€0.00540	40.00566	<0.00540	<0.00552
Chloromethane	00100		0.0115	\$0.00°	Ø.0113	90.00	Ø.0110
Directness loromethane	0.00500		40.00574	€0.00540	€0.00566	0.00540	<0.005\$2
Ethylbenzene	0.00500		Ø.00574	0.00540	<0.00566	0,00540	€0,00552
Metrykere chloride	0.0000		4005/4	Q100040	40.003 <b>66</b>	0.00540	40.00552
CONTROL TO THE CONTRO	0.00500		0.005/4	0000	900000	6,00540 6,00546	750007
Tolume	0.0000		7,500.6	00000	90000	0,000,00	7500000
Trichlomethere	0.00500		A 100574	0,000	9000		Dr 900000
Viryl mostate	0.0100		Ø.0115	&0.010g	00113	90.00	0.010
Virryl chloride	00100		Ø.0115	8010.0	0.013	<b>80</b> 10.0	9100
Xylenses (total)	0.00500		<0.00574	<0.00540	40.00566	Ø.00540	€0.00552
cir-1,2-Dichloroethene	0.00500		<0.00574	⊄0.00540	99500′0>	00000	⊄0.00552
cis-1,3-Dichloropropene	0.00500		<0.00574	⊄0.00540	40.00566	0,00540	⊄0.00552
trans-1,2-Dichloroethene	0.00500		<0.00574	€0.00540	€0.00566	<0.00540	⊄0.00552
trans-1,3-Dichloropropene	0.00500		<0.00574	₫.00540	€0.00566	<0.00540	<0,00552
% Surrogate Recevery (Control Limit)							
sur-1,2-Dichloroethans-44 R% (70-121)	,		105.1	103.0	109.0	108.0	106.1
mar-Bromofluorobenzane R% (74 - 121)	•		92.0	15.9	89.9	95.0	9 <del>.</del> 0
ma-Iohume-68 R% (81 - 117)	•		<b>3</b> .	030	100.0	<del></del>	1.66
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8779/SW3550 (mg/le)							
1,2,4-Trichlorobenzene	0.333		40.526	40.374	<b>₹</b> 0.377	€0.366	€0.365
1,2-Dichlorobenzene	0.333		Ø.526	<0.374	40,377	99€′0>	40,365
1,3-Dichlorobenzene	0.333		€ 526	40.374	40.377	40.366	40,365
I,4-Defice obenzene	0.333		9250	0.374	<b>40.377</b>	<b>36.</b>	₩.0
2,4,0-Trichlorophenol	0.667		50.0≥	Q 749	27.0	40.731	40.731
4,4,0-1 manoropaenos	0.333		9 % 9 %	603/4	C.37	<b>8</b> %	96.6
2, ** Discussion of the control of t	0.533		869	6.374	116.00	96.96	SPE ID
2.4-Designations	1.67		8 S	60.3/4	- S- 7	- - - - - - - - - - - - - - - - - - -	6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
2.4-15 and operated a	1.0		3 5			( SE ) C	T 68.1≥
2, 4. Chinimotohuma	0 344		85 E	#(C.0)		86.9	66.6
2-Chicromaththalene	0.333		965 E	7.E	£ 5	8 %	56.90
2. Thorombers	0.223		975.9	76.6		86.9	(A. 190)
2-Methylpankthalene	66.0		925 F	72.6	16.5	8 7 F	20,00
2-Metiviphenoi	0.333		925 (\$	Ø 374	771 B	35. E	9 ×
2-Nitrounline	1.67		4.63	∨ 87	\$€	2 7	<b>2</b>
2-Nitrophenol	0.333		€0.526	40,374	₩ 40.377	998	€ 90
		•					

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TABLE

DATA SUMMARY TABLE Arospace Misseum Site Naval Air Station Fort Worth Joint Reserve Base, Carwell Field Fort Worth, Texas							
		Sample ID : Sample Date :	OT3824SA 22-OCT-95	OT3825SA 22-OCT-95	OT3826SA 22-OCT-95	OT3827SA 22-OCT-95	OT3828SA 22-OCT-95
PARAMETER/METHOD(UNITS)	Quantitudes Limits	Depth:	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWRTMSW3559 (methal cost' 4.							
3,3'-Dichlorobenzidine	0.667		₹00	40,749	A.754	131	11. (D
3-Nitrografico	1.67		<b>42.63</b>	78. △	<b>8</b> €:	₩ 7	₹ ₹
4,6-Danato-2-methylphenol	1.67		7.63	4.87 J	68.⊅	∠ £3 1	₩.
4-Cromoposty) phenyl ether 4-Cromoposty) phenyl ether	0.333		Ø 526	Ø.374	₩.377	99:00	<0.365
4-Chlorogujine	0.333		9250	6.374	6.37	97.00	40,365
4-Chlorophenyl phenyl other	0,333			4 (A) (B)	7 F	- 15/6 - 25/6 - 25/6	Q 731
4-Methylphanol	0.333		40.526	€374	40.377	95 S	6 <del>8</del>
4-Nitroaniine	1.67		4.63	78. △	\$6:	\$ ₹	\$ ₹
4-Nitrophenol	1.67		2.63	78. △	7 68:∀	\$ ₹	S S ₹
Acengrithene	0,333		€0.526	<0.374	€0.377	99€0	0.36\$
Acetaphthylete Anthronous	0,333		€.526	0.374	€0,377	40.366	€0.365
Period a land francesia	0.333		9 25	0.374	40.377	996.0	40,365
Benzo(a)pyrene	0.333		8 5 8 5 8 5 8 5	6.3/4	£ £	98.9	\$9.365
Bertzo(b)fluoranthene	0.333		\$25 Q	D 374	15.0	8 %	Q 36
Benzzo(g,h,i)perylene	0.333		Ø.526	0.374	£ 0	8 % E	8 <del>%</del>
Benzo(k)fluoranthene	0.333		Ф.526	40374	Ø.377	98. <del>Q</del>	6 5 F
Benzoic acid	1.67		<b>42.63</b>	4.87	68. ▷	< 83	\$3.
Deficy alcohol	0.667		2.03	Ø.749	40.754	40.73	40,731
Duty Date; promises	0.333		975.0	0.374	Ø.377	€0.366	<b>€0.36</b>
Di-n-buryiphthalate	0,533		8.52	6.374 3.24	A.377	99.6	Ø.365
Di-n-octylphthalete	0.333		525 Q	\$ £ 6	6.37 6.37	8 9	\$ . \$ .
Dibenz(a,h) enthracene	0.333		40.526	40374	Q.377	98.0	\$ <b>9</b>
Dibenzohuran.	0.333		40.526	40.374	Ф.377	40,366	40.365
	0.333		<b>40.526</b>	40.374	40.377	40,366	40,365
Flacenshime	0.333		4.526	0.37	40.377	99.0	40.365
Fluorene	0.333		8 55 55 55 55 55 55	7 <del>2</del> <del>2</del>	40.377	8. 6 8. 6	\$9.00
Hexachlorobenzene	0,333		Ф 526	0.374	£ \$	8 % E	<b>S F</b>
Hexachlorobutadiene	0.333		Ф.526	Ф.374	A 377	35. E	9,50
Hexachlorocyclopentadiene	0.333		<b>€0.526</b>	<0.374 J	40.377	Q 366 J	S & &
Nexactionochame	0.333		€.526	Ф.374	40.377	996.0	Ø.365
Indeno(1,2,3-ed/pyrene	0.333		€0.526	€374	Ф.377	996'0>	Ø.365
Marylathalana	0.333		Ø.526	Ф.374	<0.377	99.0	<0.365
Nitra conference	0.333		Ø.526	0.374	<b>₽.377</b>	99€'0	40,365
Pentachicontend	0.553		Ø.526	40.374	Ø.377	99€.0	€0.365
Pretarthrene	M 1		<b>7</b> .∀ ₹	4.12	<b>£</b> 1.∆	2.∆	01.∆
Phenol	0.133		8 5	0.374	775.0	98. 6 9. 6	99.00
Рутепе	0.333		\$25 <del>Q</del>	6.55 5.55 5.55 5.55 5.55 5.55 5.55 5.55	€.3/ 12.6	9 7 F	99.90
			<b>;</b>		1100	34.7	\$6.9 •

DATA SUMMARY TABLE
Arcospace Museum Site
Naval Air Statton Fort Worth Joint Reservs Base, Carwell Field
Fort Worth, Teres

		Semple ID:	OT3824SA	OT3825SA	OT38268A	OT3827SA	OT38285A
		Semple Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETERMETHODOLINITS	Charita	Notes:					
THE CASE THE SEASON OF STATE OF THE CASE OF STAT							
SERIETVILALILIE VANATUL COMPLOCITIS ET GOODS - SWAFFEN SEST LINGTELEMEN. Pietz Chlomethory methans	0.333		40.526	₩374	40.377	99.00	99.00
bin(2-Chloroethylbether	0,333		€ 526	A.374	40.377	99.0	96.0
bid 2-Chloromopropy) ether	0.333		40.526 JL	40.374 JL	40.377 IL	40,366 Л.	40.365 IL
bis/2-BitryPrexy) behits at	0,333		€ 526	<b>40.374</b>	40,377	€0,366	€97
n-Nirosodi-n-propylamene	0.333		€0.526	40.374	40.377	Ø.366	€96.00
n-Nitrosodiphenylamine	0.333		€0.526	<0.374	Ф.377	99€.⊕	40.365
% Serragate Recovery (Control Light)							
rur-2,4,6-Tribromophenol R% (19-122)	•		67.0	0.89	65.0	14.9	48.0
nu-2-Fluorobiphanyl R% (30 - 115)	,		73.0	70.1	61.9	73.0	0.09
sur-2-Fluorophenol R% (25-121)			0.95	58.0	57.1	63.0	1.64
sur-Nitrobenzene-d5 R% (23 - 120)			58.0	65.0	63.9	6.89	52.1
nur-Phenol-d6 R9 (24 - 113)			98.0	58.9	0.19	879	893
nur-Tarphonyl-di4 R% (18-137)	•		77.9	1901	16.1	113.9	87.1

Data Considiration EsserVisions

I = Estimated quantistion based upon QC data

IB = Estimated quantistion: possibly bessed high or a false positive based upon blank data

IB = Estimated quantistion: possibly bissed high based upon QC data

II. = Estimated quantistion: possibly bissed low or a false negative based upon QC data

QC = Estimated quantisticion: detected below the Practical Quantisticion Limit

R = Datam rejected based upon QC data: do not use.

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DATA SUMMARY TABI.E
Arospaca Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carewell Field
Fort Worth, Taxas

			Section 1	OTTOGOGO .			
Continue			Semple Date	77.0°T 95	OI SESOSA	OT3831SA	FDUP-03
Digital Control Cont		Ozastitation	Denth	64-170-75	22-OC1-95	22-OCT-95	22-OCT-95
	PARAMETER/METBOD/UNITS)	Limits	Notes	0.2 - 0.0	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0 Duplicate of OT3831 SA
17.0   17.0	SOLL PH - SW904S/NONE (nego) 623-9045 pH units Soil			3.56			
17.0   14.0   11.0	PERCENT SOLID - D2216 MONE (percent)			9.	<b>(0</b> )	re.r	7.41
CONTINUES INTERMEDIATION   1200   1		•		17.0	14.0	17.0	190
250   212   213	METALS, TOTAL BY ICPSW60105W3050 (me/le)						2
Control Cont	Artimony	20.0		7260	12200	588	0360
1,00	Berum	25.0		Q1.2	<22.0 JL	8	
1980   1984	Beryllium	2.00		136	103	90	(1) 11
100   27000   20000	Cachrium	0.300		2.5	0.793	0.624	6130
1,000   1,00	Calcium	8.5		<b>848</b> .0 €		40.892	0.876
1,50	Chromium	005			00099	117000	00606
State	Cobair	8.00		? ?:5		8.74	7.27
100   100	Caption	200		, 45 5 5		2.50 JQ	
1.00		200		٠ ا	97.16	6.33	127
100   24   19   190	Meruman	25.0		2680	2650	1770	5970
500   224 PQ   133 PL   44,60   130 PL   130 P	Molydenia	1.00		199	362	0 <b>97</b>	969
State   Stat	Nickel .	2.00		2.54 10	1.32 Л.	9.45	
1020   1170   1180     25.0	Potentiam	200		224	9.34	6.42	
1,00	Silver	0.08		020	1710	1060	2 S
Sign   Alice	Entros.	25.0		\$7.5°	2.2 8-3	2.8	<b>\$5.73</b>
1,00   75,0   24,0   20,5   17,1   12,4   1,2	I hall your	25.0		2 <del>5</del>	ŝ ę	9 8	56.0
1.00   75.0   24.0   25.3		2.00		28.5	<u> </u>	8	615
CETAMONN TOOL TOWN TOOL TOWN TO THE TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN		1.00		75.0	24.0	50.02	19.6 20.0
0.500  V.CVAASW 7421 Leafkel  0.500  19.3  V.CVAASW 7421 Leafkel  0.500  0.242  0.242  0.242  0.243  0.243  0.243  0.245  0.245  0.245  0.245  0.245  0.245  0.245  0.247	ARSENIC, TOTAL BY GFAASW 7060 (MEN.)						
193   160 1   210   21	The selling.	0.500		3.47	1.56 AL	111	7.50
19.30   19.31   16.0 J   21.0   21.0	LEAD, TOTAL BY GFAASW 7421 (mg/kg)						· Co
COMPOUNDS BY GCAMS - SWIRAMNONE (merks)   0.500   0.00		0.500		19.3	16.0 J	2.0	ş
COMPOUNDS BY GCAMS - SWEAMANONE (merket)   COMPOUNDS BY GCAMS - SWEAMANONE (merket)   COMPOUNDS BY GCAMS - SWEAMANONE (merket)   COMPOUNDS BY GCAMS - SWEAMANONE (merket)   COMSOO	MERCURY, TOTAL BY CVAA/SW 7471 (==014)					2	*77
COMPOUNDS BY GCMS - SWILLENOY [MAY]    COMPOUNDS BY GCMS - SWILLENOY [MAY]   COMPOUNDS BY GCMS - SWILLENOY [MAY]   COMPOUNDS BY GCMS - SWILLENOY [MAY]   COMPOUNDS BY GCMS - SWILLENOY [MAY]   COMPOUNDS BY GCMS - SWILLENOY [MAY]   COMOSON	Metcury	0.242		<0.270	40.228	Ø.77	ě
0.500   C.2.5 II.   0.143 II.   0.0993 II.   0.00500   C.2.5 II.   0.143 II.   0.00993 II.	SELENIUM TOTAL BY GPAASW 7749METHOD (mech.)						007
COMPOUNDS BY GCMS - SWITHMONE (mark)         0.00500         Q.00500         Q.00504         Q.00574         Q.00587	Science	0.500		Q.25 A.	0.143 Д		
40,00500         40,00594         40,00574         40,00587           0,00500         40,00594         40,00574         40,00587           0,00500         40,00594         40,00574         40,00587           0,00500         40,00594         40,00574         40,00587           0,00500         40,00594         40,00574         40,00587           0,00500         40,00594         40,00574         40,00587           0,00500         40,00594         40,00574         40,00587           0,0100         40,0119         1         40,00587         40,00587           0,0100         40,0119         1         40,0115         R           0,0100         40,0119         1         40,0117         R           0,0100         40,0119         1         40,0117         1	VOLATILE ORGANIC COMPOUNDS BY GCMS . SWILLBONDNE (INCLE)						
0.00500         0.00594         0.00587         0.00587           0.00500         0.00504         0.00574         0.00587           0.00500         0.00504         0.00574         0.00587           0.00500         0.00504         0.00574         0.00587           0.00500         0.00594         0.00574         0.00587           0.00500         0.00594         0.00574         0.00587           0.0100         0.0109         0.0115         0.0115           0.0100         0.0100         0.0115         0.0115		0.00500		A mise	75300		
0.00500	1,1,4,4-1 etrochloroethane 1 1 2.Trickloroethane	0.00500	•	£0000 00000	<0.005/4	40.00587	€0.00606
0.00500	1.Dichlorothere	0.00500		₹0002	<0.00574	) (CO) (C)	<0.00606
0.00500	I.1-Dichlorosthere	0.00500		40.00594	<0.00574	(0.0036)	40,00606
0.00500	1,2-Dichloroethane	000000		<0.00594	<0.00574	€0000	40.00 <b>00</b>
0.00500	1,2-Dichloropropers	005000		<0.00594	<0.00574	40.00587	90000
0.0100	2-Butanone (MEK)	00000			<0.00574	<0.00587	90000
0,0100	2-Chloroethyl venyl ether	0000				40.0117	<0.0121 J
4,0119 40,0117 1	2-Hoxenone	00100		400 ly			40.0121
		•		¥115.05			<0.0121

DATA SUMMARY TABLE.
Arrospace Massens Site
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

			ACK 786 10	VCDC9CTO	A SI SESSION	co-rour
		Semante Date	72.00 Tab	22.0CT.95	3,0	10. I 10.
	Ownstitetion	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	. Clantts	Notes				Duplicate of OT3831SA
PARAMETER/METHOD(UNITS)						
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWELFENONE (BETE) cont'4.						
4-Mothyl-2-pentanone	0.0100					0.0121
Acetome	00100		6110.6	40.0115	40.0117	40.0121
Benzene	0.00500		A (00)	A 2005/	4.0038/ 6.0038/	9090000
Eromodichloromethane	0.0000		4.0034	4,000,0	/90000 F	90000
Bromoform	000000		4000	4,000,4	(300)(C)	2000 C
Bronomethane G. A Jimit 4.	00100		61107	5100	7100 (P	17 IO.O.
	0.00500		76500 (P	Ø 00674	A) 100587	A000000
	00000		₩ 0.00594	€0.00574	€0.00587	909000₽
Chlenethere	0.0100		00119 1	Ø.0115 J	0.017	0.0121
Charlen	0.00500		40.00594	<0.00574	<0.00587	909000⊳
Chloromethers	0.0100		€1100	0.0115	<0.0117	40.0121
Dibramochloranethane	0.00500		€0.00594	40.00574	<0.00587	40.00606
Ethylbenzene	0.00500		40.00594	<0.00574	<0.00587	40.00606
Methylene chloride	0.00500		40.00594	<0.00574	<0.00587	90900'0>
Styrene	0.00500		40,00594	40.00574	0,00587	909000⊅
Tetrachloroethene	0.00500					90900:0⊳
Tolume	0.00500		0.00184 JQ	0.00163 JQ	0.00328 JQ	0.00699
Trichloroethene	0.00500		Ø.00594	<0.00574	€0.00587	90900'D
Varyl acetate	00100		60 00	Ø.0115	40.017	0.0121
Varyt chiloride	00100		40.0119	Ø.0115	0.0117	40.0121
Xylense (total)	0.00500		40000	40,005/4	40.0038/	SUBOROS OF THE STATE OF THE STA
cari, 4-Lacularianes	00000		75000 75000	0.00574	0.00587	00000000
trans. 2. Dich conthere	0.00500		A 00594	€0.00574	<b>₹0000</b>	Ø0900 Ø
trans-1,3-Dichloropropens	0.00500		<0.00594	<0.00574	<0.00587	40.00606
To Colling the National Action (Applied to Colling States (Applied to Colli	•		1101	1000	104.0	1140
star. Franchischenzene R% (74.121)	, ,		85.0	628	<b>.</b>	688
nur-Tolusno-d8 R% (81 - 117)	•		97.0	0.66	0.86	8.86
L.A A SECTION AND AND AND AND AND AND AND AND AND AN						
SEMI-YOLK ILL OKCANIC CONTOUND DI COMB - SWSAWSSSWIEDEN	0 333		946	736.0	505 9	176
1,4,4-1 (millionoverizate)	0.333		\$ <b>\$</b>	786	(S. C.	1176
3-Dehlershersen	0.333		9	984	₩ 397	8
1.4-Dichlorobenzene	0.333		9	0.384	<0.397	0.411
2.4.5-Trichlorophenol	1990		40.799	€97.0>	27.0	40.822
2,4,6-Trichlorophanol	0.333		0.400	€0.384	<0.397	A.41
2,4-Dichlorophenol	0.333		€0.400	₩ 0.384	40.397	⊕.4I1
2,4-Dimethylphenol	0.333		00+00	₫,384	<0.397	Ø.411
2,4 Dinitrophenol	1971		<2.00 J	76.⊅	<b>.</b> 86. ▷	<2.06
2,4-Dinitrotokene	0.333		⊕,400	<0.384	<0.397	111-00 411
2,6-Dinitrotoluene	0.333		Ø-400	<0.384	<0.397	(I) (Ø
2-Chloromaphthalene	0.333		€0.400	Ф.384	<0.397	Ø.411
2-Chlorophanol	0.333		<0.400	<0.384	<0.397	₩.411
2. Methykrapidhalene	0.333		9.400	0.384	<ul><li>Ф.397</li></ul>	# P
Z-Methylphenol	65.0		<b>100</b>	P 2	/g€ (D)	40.411
2-intrografiane	1.6/		8 8	26 P	85.5 √ €	9.75
2-ivitophenol	V.333	•	W+.i	£96.3	, ve. 35	7

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DATA SUMMARY TABLE Arsupses Museum Sits Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

		Sample D:	OT3829SA	OTBRIDGE	OTSESSES	
	;	Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	23 OCT 95
	Cumulitation	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	00.20
PARAMETERMETHOD(UNITS)		Notes				Duplicate of OT3831SA
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWETTENW3559 (market) cont.4.						
3.3Dichioroberizidine	0.667		8, 8,	91.6		
4 for District Transferdishman	1.67		200	\$ \$ 7	<b>3 3 3 3 3 3 3 3 3 3</b>	<0.822
A Brownsham of all and all all	1.67		50	2 5	<b>8</b> . 5	79.0
A Children 2 mark 1 h mark	0.333		9 40	76.7	8.	<b>7</b> 0.00
	0.333		9 40		786.00	411
	0.667		5 6	₹	Q.397	₩.0
4-Chlorophenyl phenyl ether	0.333		- F	49.769	G.78	<0.822 J
A Welly phenol	0.333		9 6	<b>3</b>	40.397	14°8
- NITOMILLING	19		3 8	₹ : 8: :	₹0.397	Ø.411
4-Nitropalenol	1.67		3 5	S 5	<b>87</b> . ⊽	2.06
Acetaphthene	0.333		8 6	Z :	<b>8</b> 6. ∇	42.06 J
Accomplication	0 333		9 9	<b>786</b>	Ø.397	[ <b>1</b> ]}
Authracene	0 333			<b>8</b> 8	Ø.397	48
Benzi e jernituracene	6.33		90.400	934	40.397	⊕ 1411
Denzo(a)pyrene	0.333		9.400	9384	A.397	9
Benzo(b)fluoranthene	0.333		8	<b>49.384</b>	€0.397	8
Benzo(g.h.i)perylene	0.333		9	0.384	<0.397	- F
Benzo(k)thuoranthena	0.333		<b>9</b>	0.384	<b>€</b> 0.397	- F
Benzoic acid	6.53		8	98.0	A.397	7
Benzyl alcohol	1.0		200	7.20	<b>8</b> 7	20
Butyl benzyl phthalate	00.0		& . •	€97.0	₹.9	8 8
Chrysone	0.333		<b>9</b>	△,384	40,397	146
Di-n-butylphthalate	0.333		<b>9</b>	0.384	<b>40.397</b>	F 6
Di-rr-octylphthalate	0.333		<del>0</del> .400	40.384	0.0237 JO	; <del>6</del>
Dibenz(a,h)anthracene	0.333		<del>9</del>	Ø.384	₹0.397	176
Dibenzofurun	0.333		9,400	<0.384	€0.397	
Destryiphthalate	0.333		9	Ø.384	€0.397	13.6
Demotty/jphithatete	0.333		9	<del>9</del> 384	40.397	₩.
fluoranthene	0.333			<b>38</b> 6	Ø.397	- <del> </del>
Fluorene	58.0		O. 0.04	<b>9</b>	40.397	0.0440 JO
Hexachlorobenzane	0.333		8 <del>(</del>	98.9	40.397	0.41
Herachiorobulachene	0.333		§ 6	<b>3</b>	€0.397	A & A
	0.144		8 8	<b>3</b> (3)	40.397	<b>₩</b>
	0.333		3 8	<b>3</b> 5	Ø.397 J	B 8
Indexed ( . 2, 3-ed pyrane	0 133		3 6	987	Ф.397	₽ ₽
Boyriotone	0 333		9 (	0.384	<b>40.397</b>	<b>⊕</b>
	0 133		9 (	Q.384	40.397	Ø.41
Nitrobenzene	0.333		00	A 36	₹0.397	1 P W
Pentachlor ophenol	- 00		9	0.384	40.397	6 A
Phenanthrene	333		8;	4.15	4.19	, F
Phenol	0.333		9,400	<del>8</del> .0	40.397	) <del> </del>
Рутеле	0.333		9.400	A.384	Q 397	: F
	0.333		0.0479 JQ	A 384	40.397	

DATA SUMMARY TABLE
Arrespace Museum Site
Navai Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

		Semple ID:	OT3829SA	OT3830\$A		FDUP-03
		Sentale Dete	22-0CT-95	22-OCT-95		22-OCT-95
	Oussetttation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	7. Est	Notes				Duplicate of OT3831SA
PARAMETER/METHOD(UNITS)						
SEMIL-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWI2795W3556 (mg/kd) cont'd.						
hie(2-Chloroethoxy)methane	0.333		40.400	₩.384	40.397	<0.411
his 2-Choroetty at her	0.333		00 <del>7</del> (0)	<del>0</del> .384	₩.397	411
haid. Oherometrow at he	0.333		40.400 JL	Q.384 IL	40.397 IL.	Ø.411 7L
had 2. Ethylkary lighthalate	0,333		00+00	0,384	₩.397	₽.₽
n-Nitrocch n-crowlamine	0.333		00¥·0>	<b>Ø.384</b>	40.397	Ø.411
n-Nitroeodipherylamine	0.333		<0.400	<0.384	<0.397	Ø.411
% Servente Respont (Control Link)						
sur-2.4.6 Tritromorbarol R% (19.122)			62.9	6.17	55.0	0.09
snr-2-Fluorobiohery R% (30-115)			70.0	080	0.80	629
mu-2-Fluoropherol R96 (25 · 121)			51.1	53.0	52.9	52.0
snrNitrobenzene-d5 R% (23 - 120)	•		98.0	<b></b>	0.99	59.1
mm-Phanol-d6 8% (24 - 113)	,		55.1	0.09	67.1	55.9
sur-Temberyl-d14 R% (18 - 137)			83.0	80,2	70.0	74.0

Data Oneilfhenties Elega/Notes:

| = Estimated quantitation based upon QC data
| B = Estimated quantitation; possibly bissed high or a false positive based upon blank data
| B = Estimated quantitation; possibly bissed high based upon QC data
| B = Estimated quantitation; possibly bissed ligh based upon QC data
| B = Estimated quantitation; detected below the Practical Quantitation Limit
| B = Datas rejected based upon QC data do not use.

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\*\* DATA SUMMARY TABLE
Arespace Museum Site
Navni Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Terms

	1	Semple ID:	OT38328A	OT3833SA	OT3834SA	OT3835SA
PADA METEDAMETIS CALCINITION	Quantitation Limits	Depth :	0.0 - 2.0	22-OCT-95 0.0' - 2.0	22-OCT-95 0.0 - 2.0	22-OCT-95 0.0 - 2.0
SOIL pH - SWP44SNONE (Peps) 623-9045 pH units Soil	,		;			
PERCENT SOLID - DILLE MONE (PETEND)	•		<b>X</b>	7. <del>4</del>	7.47	7.50
AJITHO WORLD 1777-172			15.0	11.0	9	8
METALS, TOTAL BY ICP/SW6016/SW3059 (me/kg)					200	8.
Arimony	90.0		12200	6330	****	
British	25.0		8		000	6460
Beryllium	2.00		121	75.1	2 E	2.32 JQ
Cachnian	0.300		0.682	442	7750	8 7 6 7
Calcium	8		<0.853	808 (P	88	77.5
Chromium	10.0		91300	10000	940	14300
Cobalt	5.00		9.72	<40.4	114	142000
Соруж	2.00		2.90 JQ	2.18 JQ	3.11.30	
from	903		6.14			χ ετ. <b>9</b>
Magnesium	3.00 0.50		06 IS	2860	9300	200
Mangaricae	2.67		05. -	1930	2320	1800
Molybdenum	200		317	ដ	<b>5</b> 01	303
Description	5.00		7 58 C	Z	2.86 10	1.42 10
Nive Silve	0.09		6 E	6.7c	£8.6	<b>3</b> 8
Sodriem	2:00		4.28	<b>3</b> 0.50	1410	; 53
Thellium	25.0		248	988	20.	7.8
Vertadium	25.0		£15	<b>2002</b>	. <u>1</u> 2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Zinc	8.5		21.7	12.4	21.1	12.2
	3		220	33.7	20.0	65.7
ARSENIC, TOTAL BY GFAASW 7868 (Mence)						
Affice	0.500		1.58	1990	- 5	***
LEAD, TOTAL BY GRANSW 7421 (merke)					7	0.685
CREAT	0.500		36.0	144	ř	
MERCURY, TOTAL BY CVAASW 7471 (BEFLE)					£ 17	14.2
Macury	0.242		<b>₹</b> 0.287	CD 243	į,	į
SELENIUM, TOTAL BY GEAASW 7740METHOD (medic)					7/7/	Ø.224
Selection	0.500		40.442	5	Ş	
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWELTONE (MECAL)			!	3	76.457	⊒: 98.∀
1,1,1-Inchloroctume	0.00500		083000			
1,1,4,4,1 etrachloroethane	0.00500		08000	<0.00560	<0.00586	<0.00540
1,1,2-1 nationocthane	0.00500		000000	0,00560	40.00586	<0.00540
1,1-Dathoroughme	0.00500		00000000000000000000000000000000000000	40,00560	€0.00586	<0.00540
1.1. Distriction or of the second of the sec	0.00500		CBC00.05	9500.6	<0.00586	<0.00540
1.2. Dich procure	0.00500		CD 00580	900000	<0.005 <b>86</b>	<0.00540
2-Butanone (MEK)	0.00500		0.00580	09000	90.00386	<0.00540
2-Chloroethyl vinyl ether	0.0100		40016	SOUTH 1		
2-Hexanore	0.0100			<b>⊕</b> 0112 7	- 158	80108
	0.0100		<0.0116	Ø 0112	A.0117	8 5 5 6
				1	111000	90 In (7)

DATA SUMMARY TABLE
Areapace Museum Sita
Naval Alr Station Fort Worth Joint Reserve Base, Carxwell Field
Fort Worth, Texas

		Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/(UNITS)	Limita	Notes:				
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWELFFINONE (marke) cont.					•	
4-Methyl-2-pentenene	0.0100		€0.0116	€0.0112	40.0117	₩0.00
Acetons	0.0100		40,0116 J	<0.0112 J	<0.0117 J	₩0.00.0
Ветлепе	0.00\$00		€0.00580	Ø,00560	Ø.00586	0.00540
Bromodiahloramethane	0.00500		00000	€000560	0.00586	0.00540
Stomolorm	0.00500		080000	00000	980000	40.00540
(Fromomethine	0.010.0		40.0116 0.00500	40.0112	/110.0b	40.0108 40.0108
Carbon dasalina	0.000		Q0:000380	000000	000000	0000000
Curbon tetrachloride	0.00500		<0.005 <b>8</b> 0	09600 P	40.00586	00000
Chlorobenzene	0.00500					40.00340
Chloroethane	00100		0.0116	40.0112	400117	8010.0
Chlorolism	00000		0.00360	000000	00000	9000
	0.0000		9000	2000	110.00	8 60 6
Data conscion vineurana	0.0000		00000	095000	28500.0	04500 F
Methylene chloride	00000		08000	09500 P	Ø 000586	0000
Sympto	0.00500		Q0 00 Q0	095000⊅	Ø 000586	⊕000240
Tetrachloroethene	0.00500		₩000	€000560	₩5000₽	0.00540
Toluene	0.00500		0.000635 JQ	0.000569 JQ	0.000465 70	0.0104
Trichloroethan	0.00500		€0.00580		₩500.00	<0.00540
Virgl societe	0.0100		0.0116	40112	0.0117	00000
Viriyi chloride	00100		40.01.16	400112	Ø.0117	<b>8</b> 010.0
A) Notes (Odd.)	0.00500		0.00380	000000	0.000	0.00340
cie-1,3-Dichloropopae	0.00500		©.00580	09000	0.005 <b>86</b>	0.00540
trans-1,2-Dichloroethene	0.00500		€0.00580	09500.0>	0.00586	<0.00540
trans-1,3-Dichloropropens	0.00500		<0.00580	<0.00560	40.00586	<0.00\$40
% Surrogado Recovery (Control Limit)						
sur-1,2-Dichloroethane-d4 R% (70-121)			104.0	108.0	6.111	106.9
sur-Bromofluorobenzane R% (74 - 121)	•		82.9	87.0	6. g	86.0
pur-iohuene-d8 K% (81-117)			83.0 0.	0.36	6.98	0.96
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS - SWR779/SW3559 (mg/kd)						
.2, 4-Trichlorobenzene	0.333		0.386	40,370	40.390	<0.366
2.Dichlorobenzene	0.333		0.386	40,370	€.0	996.0
3-Dichlorobenzame	0.333		<b>€0.386</b>	0.370	€0.390	996.0
4-Dichlorobenzene	0,333		986	0.370	86.6 9.38	<b>%</b>
2,4,5-1 metrior ophemol	0.667		677.9	<b>6</b> 7.00	<b>18</b> 2.	167. A
2,4,6-1 nchlorophanol	0.333		986.0	0/E/D	<b>86.</b> 6	996.0
2,4-UNAUOOSINATOI	0,333		98.6	9,5/0		8 8
2.4-Dattectly passion 2.4-Drintonhenol	167		- 3 8 7	2 88 -	- S	<b>8 ≅</b> ∀
2.4-District of the second sec	6113		7 SE P		1 SE C	7 E
26-Dinitrotolyana	0 133		986	Ø 370	\$ \frac{1}{2}	\$ \$
2-Chlorompothalene	0.333		€ 986	€0.370	98.9	996
2-Chlorophenol	0.333		0,386	<0.370	€ 0	9960
2-Methy inaphthelene	0.333		€0.386	0.370	€0.390	996.05
2-Mothylphenol	0.333		0.386	<0.370	06£.0≻	<b>99</b> ( ©
2-Nitrouniline	1.67		<1.93	<1.85	<4.95	₹87

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DATA SUMMARY TABLE

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Q Sample ID.
Sample Date
Depth:
Notes: Ouantitution Lients 0.064 0.0333 0.033 0.03 SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS - SW1770/SW3550 (me/ki) cont'4. PARAMETER/METHOD(UNITS) 4,6-Dinitro-2-methylphenol 4-Bromophenyl phenyl ether 4-Chloro-3-methylphenol 4-Chloroeniline 4-Chlorophenyl phenyl ether 4-Methylphenol Horachlorobenzene Herachlorobutadiene Herachlorocyclopentadiene Hexachloroethane Indeno(1,2,3-od)pyrene Benzo(g.h.i)perylene Benzo(kiftuoranthene Benzoic acid Benzyl alcohol Butyl benzyl phthalate Chrysese Di-n-butyiphthalste Di-n-octylphthalste Dibenz(a,h)muthaocene Dibenzofaran 3,3'-Dichlorobenzidine enzo(a)pyrene enzo(b)fluoranthene Diethyiphthalate Dimethyiphthalate Fluorarthere mz(a)enthracere 4-Nitroenline
4-Nitrophenol
Acensphthene
Acensphthylene
Anthracere 3-Nitrosmilino

DATA SUMMARY TABLE Arospace Museum Sia Naval Alr Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

			C1263437	1555	55.5	CISESSA
		Sample Date:	22-OCT-95	ZZ-OCT-95	22-OCT-95	22-OCT-95
	Quantitation	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	Limit	Notes				
PARAMETER/METHOD(UNITS)			,			
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8270/SW3556 (me/kz) coat'd.						
bis(2-Chloroethoxy)methane	0.333		<0.386	00.370	40.390	40.366
bis(2-Chloroettyl)ether	0,333		0.386	<0.370	96.05	40,366
bis(2-Chloroisopropyl)ether	0.333		<0.386 JL	<0.370 JL	<0.390 JL	40.366 JL
bis(2-Eshytheoxyl)phthalme	0.333		98€	<0.370	96.9	99€0>
n-Nitrosodi n-propylamine	0.333		40.386	€0.370	40.390	40.366
n-Nitrosodipheny/amine	0.333		<0.386	40.370	Ø.390	Ø.366
% Surregate Recovery (Compre) Limits						
sur-2,4,6-Tribromophenol R% (19-122)	•		70.1	0.09	52.0	60.0
mar-2-Fluorobiphenyl R% (30 - 115)	ı		11.0	65.1	61.0	620
sur-2-Fluorophenol R% (25 - 121)	٠		<b>6</b> 0.1	20.1	45.9	49.1
mr-Nitrobenzene-d5 R% (23 - 120)	r		66.1	58.1	52.1	54.9
uur-Phenol-d6 R% (24 - 113)	•		59.1	55.0	90.0	520
sur-Terphenyl-d14 R% (18-137)	•		111.1	74.1	6.79	0.89

Data Ossitification Flaza/Notes:

J = Estimated quantitation based upon QC data

1B = Estimated quantitation: possibly based high or a false positive based upon blank data

1B = Estimated quantitation: possibly bissed high based upon QC data

1L = Estimated quantitation: possibly bissed high based upon QC data

1Q = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datam rejected based upon QC data: do not use

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DATA SUMMARY TABLE
Arrospace Massem Site
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

		Sample ID:	OT3836SA	OT3837SA	OT3838SA	OT3839SA	OT3840SA
	Ownerthantion	Deoth	06-177	22-OCI-95	22-OCT-95	22-OCT-95	22-OCT-95
PARAMETERMETHOD(UNITS)	Limits	Notes		07.00	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
SOIL RH - SWYMASNONE (ROBE) 623-9045 pH units Soil							
PERCENT SOLID - DALIG MONE (Percent)	•		7.67	17.7	7.18	7.58	7.26
METALS, TOTAL BY ICTORWISE ACTUALISM.	•		10.0	13.0	11.0	11.0	10.0
Alumbum	i						
Antimony	50.0		7090	9770	7480	20101	;
Berim	25.0		2.19 JQ	<b>31.6</b>	900	3 5	
Boryllium	207		77.0	79.1	85.9	3 6	7 % T
Codmism	90.1		<b>6</b>	0.605	<b>\$</b>	2850	- 1.5
Calcium	3 0		118.0	Ø.864	<0.826	Ø.839	
Chroman	200		149000	104000	182000	117000	165000
	200					8.39	CI 8871
Copyright Copyri	200		2 S	2.76 JQ		2.77 10	
Mercin	2.00			/17/	Or £1.4	4.70	14.8
Mercanase	25.0		2150	2380	10400	8000	2000
Molybderum	1.00		<b>90</b>	283	0.77	2110	1880
Nickel	5.00		3.00 JQ	< <u>₹</u> 32	8 2 E12	FI (	
Potassium	88		214	8.73	22	S 25	4.03 JL
Silver	9.6		<b>\$6</b> 7	1790	1300	8 6	77 5
Sodrum	250		89.5	<b>≪.32</b>	<u>6</u> .13	\$	10/01
Verselien	25.0		7 5	** ;	139	79.5	426
	9:00		30.7	970	900	Q.12	7 900
į	1.00		73.8	19.3	19.1	21.6	10.4
ARSENIC, TOTAL BY GFAASSW 7060 (molks)				1	ò	14.3	- 82
Anonic	0.500		;				
LEAD, TOTAL BY GFAASW 7431 (meter)			<u>}</u>	2.03	1.94	18.1	2.87 Л.
Der	0.500		ş	;			
MERCURY, TOTAL BY CVAASW 7471 (mg/kg)			<b>5</b>	0.11.	14.9	11.2	1030
Mercury	0.223		56				
SELENIUM, TOTAL BY GFAASW 7749AETHOD (****)			60.	€.723	<0.215	<0.265	<0.218
Solsthan	0.500		Š	# 72000			
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWEMANIONE (			<b>}</b>	77 10000	40.429 JL	0.0829 Л.	<b>424 1L</b>
1,1,1-Trichloroethane	00000						
1.1.2,2-Tetrachloroethane	0.00000		40,00550	€9500.0>	€0.00556	AD 000 546	7,500,0
1,1,2-Inchloroethere	0.0000		<0.00550 0.00550	€9:0002€3	€0.00556	40.00536	4,000,4
L.IUnchloroethane	0.0000		40,00550	40.00563	€0.00556	€000536	4/5000
1,1-Chableroethene	0.00500		400580 400580	40.00563	<0.00556	€0.00536	40 00 CA
1.2-Districtionments	0.00500		060000	€9:00:02	€000556	€5000	40.00574
1.4-totaled opropage	0.00500		00000	40.00563	₹000\$	<0.00536	40.00574
2-Chigamathu wind who	0.0100		01100	0.00563	40.00556	40.00536	<b>€0.00574</b>
2-Havingone	0.0100		0100	Q.0113		40.0107	400115 1
	0.0100		0.0010	40.013 F	# - = = = = = = = = = = = = = = = = = = =	A 70100	<0.0115
					• • • • • • • • • • • • • • • • • • • •	<0.010/ J	<b>⊕0115</b>

DATA SUMMARY TABLE
Arcespece Meserum Ste
Naval Air Station Fort Worth Joint Reserve Base, Carawell Field
Fort Worth, Tozas

		Semple D	OT3836SA	OT3837SA	OT3838SA	0138398A	0138403A
	Ossetlitation	Depth :	00-20	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0-2.0
	Limite.	Notes					
PARAMETERMETHOD(UNITS)							
VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8140/NONE (metha) seet'd.	;		;		;	500	
4-Methyl-2-partenone	0.0100		2 5 6	4.0113 4.0113	6.01	9 610.6	519
Acetone	00000		5 5500 G			€000536	40.00574
December	0.00500		€ 000550	Ø 00563	€000556	Ф.00536	40.00574
Paramoform	0.00500		0,00550	<0.00563	€0.005%	€500.0>	⊄0.00574
Promomethere	00100		Ø.0110	<0.0113	40.0111	₩0.0107	<0.0115
Carbon disulfide	0.00500		∞0.00550	€9500,00	40,00556	0.00536	<0.00574
Carbon tetrachloride	0.00500		€0.00550	<0.00563	40.00556	0.00536	40,00574
Chlorobenzene	0.00500		0.00550		_	<0.00536	40.00574
Chloroethane	0.0100		0110	Ø.0113 J	40.0111	40.000	40.0[15
Chloroform	0.00500		0.00550	40.00563	0.00526	0000000 000000000000000000000000000000	47.000.00
Chloromethone	0.0100		01100	0.0113	110.00	(Oloria)	2000
Dibramochloromethane	0.0000		00000	000000	9500 F	0.000.00 0.000.00	CO.00.0
Ethylbenzene	00000		0,000	60000 P	\$ 000 P	0.00536	40.00574
Methylene chloride	00000		00000	(S) (S) (S)	\$200.0	€0000	<0.00574
7-1-4-1	0.00500		00000	€9000	₩ 000556	€000536	<0.00574 JL
Toleran	0.00500		0.00703	0.000491 70	0.000812 JQ	0.000825 JQ	
Tricklorathere	0.00500		€0.00550	€00000	0.00556	0.00536	⊄0.00574
Virte	0.0100		0110	€110.0	₩ 1100	<b>₹0.0107</b>	<0.0115
Virty chloride	0.0100		⊄0.0110	40.0113	₩.0111	40.0107	<b>€0.0115</b>
Xydenses (total)	0.00500		<0.00550	€9500.0>	€0.00556	Ø.00536	₩ 40.00574
cir-1,2-Dichloroethene	0.00500		40.00550	Ø.00563	40.00556	0.00536	40.00574
cis-1,3-Dichloropropene	0.00500		40.00550	Ø.00563	\$200.00 \$200.00	40.00536	40.00574
trans-1,2-Dichloroethene	0.00500		000000	00000	40.005	960036	4,500,574
trans-1,3-Dichloropropene	0.00500		OCCONTO)	OCON'O	PC CONTO	00000	*/6000
24 Sugragate Recurery (Construct Limits)			•	•			Š
sur-1,2-Dichloroethere-d4 R% (70-121)			(8) (8)	6000	6.00	103.0	0.101
mur-Bromofluorobenzene R% (74-121)			0.78	0.00	6.00	. Ce	0.07
BUT-LOTUMBE-GO KYN ( 81 - 11 /)	•		Ĵ	Č.	è		\.
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS · SW8770/SW3550 (meMg)			1		,	•	,
1,2,4-Trichlorobenzene	0,333		<b>3</b> 6.96	8/5/6	- F	2/5/0	\$ 5. 6 6
1,2-Detalorobentame	0.333		\$ 95 F	378	- F	7. F	<b>7</b>
1,5-1,Mattan Ocations 6	0.333		\$	Ø.378	40.37	Ø372	<b>3</b> € <del>Q</del>
2.4.5.Trichlorophenol	0.667		<b>€</b> 0.739	40.755	40.741	Ø.744	€7.72
2,4,6-Trichlorophenol	0.333		69£'0}	40.378	40.371	40.372	<b>₩</b>
2,4-Dichlorophenol	0.333		€9€°0>	<0.378	40.371	₫ 372	<b>8</b> .6
2,4-Dimethylphenol	0.333		69£.D	40.378	⊄0.371	△372	0.364
2,4-Dimitrophenol	1.67		<1.85 J	<b>8</b> 8. ∇	<b>₹</b> 82	98∵∇	
2,4-Dinitrotoluene	0.333		69. G	<b>⊕</b> 378	£.0	₫372	40.364 JL
2,6-Dinitrotoluene	0.333		€9£.0>	40.378	0.371	₫.372	₩. ₩.
2-Chloronephthalene	0.333		90.369	<0.378	0.37	40.372	8 8 8
2-Chlorophanol	0.333		99.	0.378	0.371	40.372	\$ 1
2-Methylmaphthalene	0.333		99.99	86. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	E 6	Ø.372	<b>3</b>
2-Methylphenol	0.333		696.0	8/F. 5	1/6.00	2/5/0	<b>\$</b>
2-Nitroemilmo	/9:1		3.15	28.12 87.64	G 7	80.10	79.15
2-Nitrophanol 3-2: Nichlanden	0.333	`	69. F	∆.378 △.378	9.3/1	6.372	25.
3,3 - Lyalkotooet	5			3	; }		

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DATA SUMMARY TABLE Arrospace Messeme Site Naval Air Station Fort Worth Joint Reserve Base, Carwell Field Fort Worth, Texas						·	
		Semple ID:	OT3836SA	OT3837SA	OT3838SA	OT3839SA	OT3840SA
	Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 20	0.0 - 2.0
PARAMETER/METHOD/UNITS)	Libratita	Notes:					
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWY37NSW3559 (methol tent's	HT.4						
3-Nitroundine			4.85	<1.89	₹.85	98.⊳	28.
4,6-Dimitro-2-methylphenol	1.67		4.85	<b>68</b> .∇	28. △	28.7	- Z2: ▽
4-Brothophenyl phenyl ether 4 (Nilmos) materials	0,333		99.90	0.378	40.371	<0.372	40.364
4-Chloroguijne	0,533			8.4.9.8 2.3.8.6.6.	9 931		<b>36.</b> 6
4-Chlorophenyi phanyi ethan	0.333			A.378		# £	20 20 6
4-Methylphenol	0.333		<0.369	0.378	0371	A 172	\$ \$
4-Nitrouniline	1.67		4.85	68.1>	\$8.⊅	98. △	<b>28</b> . ∇
4-Nitrophenol	191		<b>28</b> . △	<b>8</b> 6. ∇	58.₽	98.1⊳	<b>4.82</b>
Acamphilylene	0.333		\$ \$ \$ \$	875.6 57.6	6.37	40.372	₩.96
Arthrecae	0.333		\$ <b>%</b>	A.3/8	6.37]	6.372 2.372	<b>35</b> .60
Bonz(a)wrturcene	0.333		Ø.06	Ø.378	6.37	A 372	<b>3</b>
Bonzo(a)pyrane	0.333		€9.369	40.378	40.371	Ø.372	\$ <del>\$</del>
Bonzo b Hillor withers	0.333		<b>9</b> €	<0.378	<0.371	Ф.372	₩364
Detaile (g. 1, perylane Benzoft (fluorenthern	0.333		8.9 9.9	Ø.378	1/6/0	Ø.372	40,364
Bernzoic acid	1 67		6.30	8.5/8 8.5/8	A. 371	Ø.372	<b>3</b> 96.
Benzyl alcohol	0.667		£ 7.5 \$2.5	8. ∆ 8. 8.	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	<b>9</b> ₹	<b>2</b> 7 €
Butyl benzyl phthalate	0.333		40.369	Ø 378	6.3	A 272	\$ <b>3</b>
Chrysens 27 September 2	0.333		40.369	40.378	40.371	40.372	Ø.36.
Den-Haylphthatake No. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	0.333		90.369	₩.378	<0.371	<0.372	40,364
Disease a heatman	0.333		\$ 9 9 9	8.378 8.48	0.371	€0.372	40,364
Diberzofuran	0.333		\$ <b>9</b>	8 E	F 6	5 FF 6	<b>3</b>
Diettyliphthalate	0.333		€9.00	₫378	Ø.371	A 372	¥ 3.
Directly/iphthatete	0.333		<0.369	<0.378	<b>40,371</b>	<0.372	₩.0
Flucture	0.333		90369	\$7.60	40.371	40.372	₩364
Hetachloroberzene	0.333		\$ 5	8.37g	6.37	40.372	<b>79.</b> ∀
Hexachlorokutadiene	0.333		<b>6</b> 9	8/F/G		6.372	<b>3</b> 6.9
Hoxachlorocyclopentadiene	0.333		95.0	8CF (S	175.6	4.5%	
Hexachloroethane	0.333		40.369	Ф.378	0.37 17.00	225	- 2 7 8
Indenc(1,2,3-ed)pyrene	0.333		40.369	€0.378	40.371	40,372	98.
Bophorone	0.333		Ø.369	40.378	40.371	<0.372	A) 364
N. A. L. L. C. L. L. C. L. L. C. L. L. L. L. L. L. L. L. L. L. L. L. L.	0.333		40.369	€0.378	<b>₩</b> .	40.372	49.364
Pertachlorochemi	0.333		99.99	₩.378	40.371	Q.372	40.364
Phenauthrene	80.0		1.5	£ ₹	= ;	4.12	<b>8</b> 0.∀
Phenol	0.333		<b>9</b>	8 5 C	- F	6.372	35. 8
Рутепе	0.333		<b>\$</b>	⊕ 378	(£ 8	6.5/2 6.372	A. 1964
						4.5.5	U.U.32 J.H.

DATA SUMMARY TABLE
Arcospace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

		Semple ID	OT3836SA	OT3837SA	OT3838SA	OT3839SA	OT3840SA
		Sample Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
	Ossattados	Depth	0.0 - 2.0	0.0*-2.0	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)							
SEPATAVO ATTLE OBCANIC COMPOTINIS BY GCAMS - SW2270/S99359 (me/let) confid.	1550 (me/le) cont'd.						
had Chlarochory Brothers			€9€	₩.60.378	40,371	<b>₫.372</b>	Ø.364
in 2. Chlorostholysthan	0.333		<b>69</b> (0	<0.378	40.371	40.372	A.364
his (2. Chloropenna) billion	0.333		40.369 JL	40.378 JL	<b>40.371</b> IL	40.372 JL	A.364 J.
bin (2) Establishment behalfen	0.333		69£ (P	40.378	0.371	△.372	98.6
Mirrardi e promodemien	0.333		<b>99.</b> 9	<0.378	175.00	€0.372	<b>9</b> 9€
n-Nitrosodiphenylamine	0.333		<b>€9€</b> .0	€0.378	40.371	40,372	Ø.364
% Surrogate Recovery (Control Limit)							
mr-2 4 6-Tribromochanol R% (19-122)	•		52.0	0.79	73.0	72.0	0.89
mm-2-Fluorobinberry R% (30 - 115)	•		0.40	63.1	70.9	76.1	0.00
ww.2.Fluorouskenol R% (25 - 121)	•		52.0	48.1	53.1	53.0	53.0
ar Mirihansaca & DK (23 . 120)	•		28.0	57.0	62.0	0.89	57.1
== Phenolitic B% ( 24, 113)	•		62.1	54.1	59.9	6:09	55.9
nur_lembenvi-d14 R% (18 - 137)			87.0	81.2	103.0	78.0	113.2

Data Openi(Renties Disco/Notes:

I = Estimated quantitation based upon QC data

IB = Estimated quantitation: possibly based high or a false positive based upon blank data

IB = Estimated quantitation: possibly based high based upon QC data

II. = Estimated quantitation: possibly based high based upon QC data

IQ = Estimated quantitation: possibly based low or a false negative based upon QC data

IQ = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use.

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DATA SUMMARY TABLE
Artespace Messens Site
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

		Semple ID	OT364164	Table dom			
		Sumole Date	22-0-CT-05	23 OCT 96	PO-BOLL	OT3843SA	
	Ownstitation	Death	04.20	25.1.20.77	22-OCT-95	22-0CT-95	
PARAMETER METHOD (UNITS)	Chit	Notes	i i		0.0 - 2.0' Duplicate of OT3842SA	0.0 - 2.0	
SOL BH - SWYOGSNONE (Rose) 623-9045 bH units Soil							
REKCENT SOLID - D2316 /NONE (BANCORD)	ı		1.76	7.58	7.52	7.67	
623-D2216 Moisture	•		8	;			
METALS, TOTAL BY ICPSWAnjage (			9.0	12.0	3.00	11.0	
Alminum	003						
Antimony	0.00		9020			\$860	
Berim	200		T.8.7	1.97 JQ		66⊳	
Beryllium	030		<u> </u>		78.2	87.8	
Cadmium	100		25.5	), <b>38</b> , 10	019'0	<b>42.39</b>	
Culcium	0.01		157000	<b>68</b> / (∀) :	<b>⊘.87</b> 1	197.D>	
Chromatan	200		28.7	10000	92400	113000	
Cobalt	2:00		217 10	λ ευ. Ευ.		<b>8</b> .6 <b>0</b>	
Copper	8:00			7 F OI	2.79 JQ	2.95 JQ	
	2:00		6530		7.14	11.2	
Magnetium V————	25.0		2100	7 00011	7260 1	9180 180	
Month Section	1.00		323	527	1 916	2100	
Nikel	2,00		07 651	1.97 10	718 1	£ 5	
Potassium	200		203		7.93	<u> </u>	
Stive	0.09		168	2190 J	1 0201	25.1	
Sodium	200		962	<b>X</b> .♡	2 3	S 50 ∇	
Thethium	25.0		80 ;	338	6.77	<u>=</u>	
Vernediten	3 5		[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]	497	8: IZ>	66⊳	
Zunc	8		5/9	1.0	18.2	19.9	
ARSENIC, TOTAL BY GFAA/SW 7060 (ma/la)			!		14.5	9716	
Атметис	005.0		3	!			
	POC'0		<u>8</u>	2.42	1.16	2.60	
LEAD, TOTAL BY GRAA/SW 7431 (me/le)							
	0.500		11.6	50.9	736	Š	
MERCURY, TOTAL BY CYAA/SW 7471 (me'le)					í	C.13	
Moreury	0.223		40.237	D9% (D	7		
SELENIUM, TOTAL BY GFAASW 7740/METHOD (mark)						<b>8</b> 77.05	
Selenium	0.500		<2.02 JL	Ø 153	7	į	
VOLATILE ORGANIC COMPOUNDS BY GCAAS - SW8244MONE (meta)				į	<del>-</del>	<b>8</b> 77.	
1.1.1 Trichloroethane	0.00500		₫,00540	00000	1		
1,1,4,2-1 effection of theme	00000		A100540	62500.00	<0.00571	40,00558	
1,1,2-Inchloroethane	0.00500		C 100540	67500.00	CD:00571	<0.00558	
1. Disking others	0.00500		0,00540	ch (00528	40.00571	<b>\$</b> 000€58	
	0.00500		40.00540	0.500 P	40.005/I	<0.00558	
2. Disklorement and the second	0.00500		0,00540	Ø 000529	40.005/1	40.00558	
Pathores (AFK)	0.00500		40.00540	<0.00529	1,680.9	40.005S	
-Chloroethyl visyl ether	0.0100		40.010€	40.0106 J	1 11000		
-Hexanone	0.0100		<b>40.0108</b>	40.0106		4:0112 P	
	0.0100		₩010	20.0106	<b>8</b> 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 E	
						71 10.00	

DATA SUMMARY TABLE
Arrespace Measum Site
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

Column			Semple D:	OT3841 SA	OT3842SA	FDUP-04	OT3843SA
Comparison   Com		;	Serriple Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95
Color   Colo		activities of the second	Copper Co	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
Discussion   Dis	*ARAMETERMETHOD(UNITS)	Crans	Notes			Duplicate of OT3842SA	
Digition   Digition	GLATILE ORGANIC COMPOUNDS BY GCMS - SWEL44NONE (mecha) conf.d.						
0.00000   0.000000   0.000000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.	-Methyl-2-perturence	0.0100		<b>40.0108</b>	<0.0106	₩ 0.0114	40.0112
Comparison	Acetona	00100			001000		40.0112 1
December   December	Senzone	0.00500		<0.00540	€2500.0	1/5000⊅	40.00558
December   December		0.00500		0.00540	67500.0>	D.00571	40.0055€
100.000   0.0000   0.0000   0.0000   0.00000   0.00000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.0000000   0.0000000   0.0000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.000000   0.0000000   0.0000000   0.00000000	A CARDON III	0.0000		CU:00340	6700075	000000 1000000	40.0055
100.0000   100.0000   100.0000   100.0000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.000000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.00000   100.000000   100.000000   100.000000   100.000000   100.000000   100.000000   100.000000   100.000000   100.0000000000	A CALLACTURE IN	00000			9010	<b>4</b> 1.00₽	₫.0112
Comparison   Com	-moon distriction	0.00500		9,00340	€2500.0⊃	0.00571	40.00558
Comparison   Com	ALOCAL LEADERS NO.	0.00500		0.00340	67500.0	40.00571	<0.00558
Color   Colo	ALIAN COMILIZATION	0.00500		40.00540	6Z\$00'0>		<0.00558
District   District	THE CONTINUE OF THE CONTINUE O	00100		001000	0.010%	_	<b>⊘</b> .0112 J
Coloradinate   Colo		0.00500		⊄0.00540	€0.00529	1200.0≥	40.005\$
December   December		00100		<b>8</b> 0.00 €	0.0106	₩ 00.01	₫.0112
Decide   D		0.00500		40.00540	€2500.0>	40.00571	40.00558
December   0.00500   0.00540   0.00529   0.00570     December   0.00500   0.00540   0.00529   0.00570     December   0.00500   0.00500   0.00540   0.00529   0.00570     December   0.00500   0.00500   0.00520   0.00570   0.00570     December   0.00500   0.00500   0.00500   0.00570   0.00570   0.00570     December   0.00500   0.00500   0.00500   0.00570	inyloenizme in the second seco	0.00500		0.00540	€2500	40.00571	<0.00558
December   December	editylene chloride	0.00500		⊴.00540	€2500.0>	<0.00571	40.00558
December   December	yrene	0.00500		<0.00540	67,500.0>	<0.00571	<0.00558
December   December	dradionosthens	0.00500		⊄0.00540	€7500.0>		<0.00558
December   December	elenk	0.00500		0.0194	0.00832	_	<0.00558
Control	chlorothere	0.00500		<0.00540	62,500.0⊳		₩500.00
Comparison   Com	iny's module	0.0100		<b>\$0.10.0</b>	001000	40.0114	<0.0112
Control   Cont	my1 chloride	00100		<b>8</b> 0.0.0	<b>90</b> 10.0	<b>₹10</b> 00	0.0112
Discontinue		0.00500		<0.00540	40.00529	<0.00571	<0.00558
Restrict Control   Contr	1.3 Diellementers	0.00300		<0.00540	€75000	40.00571	<0.00558
December   December	a. 1.2 Dichlorouthere	0.00300		Q:00340	40,00529	<0.00571	40.00558
Reserve   Central Limits   107.9   104.0   107.9   104.0   107.9   104.0   107.9   104.0   107.9   104.0   107.0   104.0   107.0   104.0   107.0   104.0   1	na-f.3-Dichloropropene	00000		0.00340	670000	40005/1 10006/1	41.00558
Section   Control   Lond   107.9   104.0   1							BCDOO!
107   104	Surrecte Reservoir (Control Limit)						
Strict   1177		•		107.9	1040	106.0	1.11.
TILE ORGANIC COMPOUNDS BY CCAMS - SW\$170SW\$170\text{SW\$170	-tologous AS 186 ( 4 - 121 )	•		0.15	0.67		<b>97</b>
TILE ORGANIC COMPOUNDS BY CCAMS - SWIZTANSW3556 (me/ks)   0.333   0.356    0.374		•		0.98	<b>3</b> .	6:36	0.56
Coloration	IMI-VOLATILE ORGANIC COMPOUNDS BY CCAAS - SW8774/SW3550 (marks)						
0.333	,4-Trichlorobenzene			Ø.361	₩374	971 D	121 6
0.333	-Dichlorobenzene	0.333		Ø.361	₩374	0.379	<b>1</b>
0.333	-Dichlorobenzene	0.333		40.361	₫.374	60379	Ø.371
ophenol         0.667         40.722         40.748           ophenol         0.333         40.361         40.374           bernol         0.333         40.361         40.374           nnol         1.67         4.80         1.87         1           nnol         1.67         4.80         4.87         1           nnol         1.67         4.80         4.87         1           nnol         1.67         4.80         4.87         1           nnol         1.67         4.80         4.37         4.37           nnol         1.67         4.80         4.37         4.37           nnol         1.67         4.80         4.37         4.37           nnol         1.67         4.37         4.37         4.37           nnol         1.67         4.72         4.72         4.72	-Dychlorobenzene	0.333		0,361	0.374	40.379	40.371
Description	, S. Trichlorophenol	0.667		₩.122	20.748	40.758	40.743
Colored   Colo	(6-Tirchlorophenol	0,333		⊕.36	40.374	40.379	△.371
167   40.351   40.3	-Dichlorophenol	0.333		<b>40.36</b> 1	₫374	40.379	40.371
167   187		0.333		<0.361	<0.374	€0.379	40.371
Columbia	-Dandophenol	1.67		- 08: □ 08:	78. ⊳	1.90.1>	786 1
0.333	I-Drintoto Interior	0.333		<b>⊕</b> 361	€0.374	≪0.379	<0.371
0.333	-Datatro(Olumba	0,333		₩.	40.374	40.379	40.371
0.333	Chloromphithmiono	0.333		⊄361	40.374	0.379	40.371
0.333		0.333		<b>40.361</b>	<0.374	<0.379	40.371
0.333	Market International	0,333		9.36	40.374	40.379	Ø.371
0.333	Nitrografic	1.53		98.7	0.374	40.379	40.371
0.667 ( 4).748	Nitrophenol	1.0		Be. 7.	/s: ₹	8: ⊽ (	<b>%</b> . ∀
	1. Dichlorober	1990	•	10. O	\$ <b>6</b>	\$\f\r.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	11.E.B
3			_		!		
	351 1700		-	_			_

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DATA SUMMARY TABLE Aroopace Museum Sto Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

22-CCT-95  0.0 - 2.0  Duplicate of O  1			Sample ID:	OT3841SA	OT3842SA	75 6 78	
Control   Cont			Sumple Date	22-OCT-95	22.OCT-95	#0-J071	OI 38432A
		Quentitation	Depth:	00.20	00.20	25-05-135	22-OCT-95
Column   C	PARAMETER/METHOD/UNITS)	Limits	Notes:			Duplicate of OT3842SA	0.0 - 2.0
1							
	SEMIL-YULATULE ORGANIC COMPOUNDS BY GCASS - SWIZTOSW3559 (me/let)						
1	4 6-Dinter, 2 motherholes	1.67		<b>08</b> . △	<b>18.</b> ▷	5	7
1,000   1,00	4. Promonhend when a she	1.67		<b>28</b> . ∇	78.∀	\$ <b>5</b>	<b>8</b> 6
Column   C	4. Chlory 2 mathebases	0.333		0,361	40,374	22.6	8.5
1677   40174	4-Chlomanijas	0.333		0.361	<0.374	921.0	16.6
157   24.56   24.74   24.75   24.74   24.75	4. Chrombani shoul sho	0.667		0.722 €	0.748 1	1 35.65	
1,033   4,046   1,047   1,044   4,046   4,047   4,047   4,044   4,04	4 Matheban	0.333		0.361	Ф374	25.6	
1, 67   4, 187   4,	+-metriyiphenol	0.333		25.	7.50	40.3/9	40.371
1.67   1.67	4-Nitrografine	1.67		\$ \( \nabla \)	(C.)	6/6/0>	40.371
Columbia   Columbia	4-Nitrophenol	191		; ; ; ;	ie:TV	8.⊽	98. ℃
December   Column	Acetraphthene	133		28:7	/ <b>8</b> .₽	<b>-</b> 8:⊽	98.1⊳
1,000,000,000,000,000,000,000,000,000,0	Acanaphthylene	5000		96.99 9	₩374	<0.379	0.371
Approximate   0.333   0.346   0.374   0.379	Anthrogra	0.333		<b>40.361</b>	△0.374	40.379	125 (5)
Office of the protections         0.333         0.346         0.4374         0.1379           Explorations         0.333         0.346         0.4374         0.4379           Explorations         0.333         0.346         0.4374         0.4379           Explorations         0.333         0.436         0.4374         0.4379           desidence of the control of	Perizi a meritanean	0.333		40.361	40.374	071 (2)	
Applications   Continue   Conti	Daniel (s) marie and s	0.333		<0,361	40.374		16.9
Q 1333         Q 1361         Q 1374         Q 1379           Collaborations         (1333)         Q 1361         Q 1374         Q 1379           disclosed         Q 1374         Q 1374         Q 1379         Q 1379           disclosed         Q 1371         Q 1371         Q 1379         Q 1379           on aicobol         Q 1373         Q 1371         Q 1379         Q 1379           on aicobol         Q 1373         Q 1374         Q 1379         Q 1379           on aicobol         Q 1373         Q 1374         Q 1379         Q 1379           on aicobol         Q 1373         Q 1374         Q 1379         Q 1379           on aicobol         Q 1374         Q 1379         Q 1379         Q 1379         Q 1379           piblishies         Q 1374         Q 1379         Q 1379         Q 1379         Q 1379           piblishies         Q 1374         Q 1374         Q 1379         Q 1379         Q 1379           piblishies         Q 1374         Q 1374         Q 1379         Q 1379         Q 1379           piblishies         Q 1374         Q 1374         Q 1379         Q 1374         Q 1379           cockationes         Q 1374         Q 1374		0.333		198.00	275.00	615.9	1/5/05
Q.131by Striction         Q.131by Striction	Denzel O Ji wormthane	0.333		25.6		6/5/0>	40.371
20,000   0,	Benzo(g.h.i)peryiene	0.333		19. C	\$\frac{1}{2}\frac{1}{2	Ø.379	<0.371
1	Benzo(k)fluorarthene	0 113		ipro)	4/5.0	40.379	17.00 17.10
A	Berzoic scid	291		19.70 19.70	40.374	40.379	40.371
Control of the cont	Benzyi alcohol	5370		<b>8</b> .7	<b>√8.</b> ∀	8:⊽	98.
Control         0.333         0.336         0.374         0.339           Arijothaliste         Original         0.333         0.346         0.374         0.379           Arijothaliste         Original         0.333         0.366         0.374         0.379           Claim         Original         0.334         0.336         0.374         0.379           polythaliste         0.333         0.366         0.374         0.379           polythaliste         0.333         0.356         0.374         0.379           polythaliste         0.333         0.356         0.374         0.379           drives         0.333         0.356         0.374         0.0256         Application           anterior conductions         0.333         0.356         0.374         0.0376         Application           conductions         0.333         0.356         0.374         0.379         Application         Description           conditions         0.333         0.356         0.374         0.374         0.379         Description	Butyl benzyl phthalate	0.00		47.72	A.74	0.75€	Ø 747
Ayrightblaise         Q 334         Q 354         Q 374         Q 379           Ayrightblaise         Q 345         Q 374         Q 379         Q 379           ofwer         Q 345         Q 374         Q 379         Q 379           ofwarm         Q 343         Q 361         Q 374         Q 379           polythalise         Q 334         Q 361         Q 374         Q 379           polythalise         Q 334         Q 361         Q 374         Q 379           of these         Q 334         Q 361         Q 374         Q 379           of complexions         Q 334         Q 374         Q 379           combatadiane         Q 374         Q 374         Q 379           combatadiane         Q 374         Q 374         Q 374         Q 379           combatadiane         Q 374         Q 374         Q 374         Q 379           complexes         Q 374         Q 374	Спунети	0.333		0.36	Ф.374	0.379	£ 6
0.333         0.346         0.374         0.379           (4.b) influence         0.333         0.361         0.374         0.379           poblishists         0.333         0.361         0.374         0.379           district         0.333         0.361         0.374         0.379           corobarance         0.333         0.361         0.374         0.379           coropheration         0.333         0.361         0.374         0.379           coropheration         0.333         0.361         0.374         0.374           docopheration         0.333         0.374         0.374	Di-ry-butyholithalate	U.339		₩.961	<0.374	0.379	121.00
(A) Interpretation of the continuous of the	Di-n-octylchelete	0.333		0,361	40.374	0379	(A)
district         district	Dibertita himthrecens	0.333		40.361	<0.374	921.00	7
0.333         0.356         0.374         0.379           Ophthales         0.333         0.36         0.374         0.379           Aphthales         0.333         0.36         0.374         0.379           acrobertzene         0.333         0.36         0.374         0.379           corbustiene         0.333         0.36         0.374         0.379           corbustiene         0.333         0.374         0.379         0.379           corbustiene         0.333         0.36         0.374         0.379           corbustiene         0.333         0.36         0.374         0.379           i.2.3-odpyrans         0.333         0.36         0.374         0.379           i.2.4-odpyrans         0.333         0.36         0.374         0.379           i.2.4-odpyrans         0.333         0.36         0.374         0.379           increase         0.333         0.334         0.374         0.379	Distraction	0,333		€.0	<0.374	₩ ₩	
0.333         0.3561         0.374         0.379           thorison         0.333         0.4361         0.374         0.379           enthane         0.333         0.4361         0.4374         0.379           cordonazone         0.333         0.361         0.374         0.379           cordonazone         0.333         0.334         0.374         0.379           cordonazone         0.333         0.361         0.374         0.379           cordonazone         0.333         0.361         0.374	Dischellable in	0.333		€0,361	<0.374	5.5	16.0
0.333	Direct Published Inches	0,333		40,361	€0.374	() () () () () () () () () () () () () (	1.50
0.333	Phoenghone	0.333		0,361	40,374	56.6	1.6.6
Control   Con	Fhorms	0.333		40.361	40,374		
Control of the cont	Hermotherson	0.333		⊕361	0,374		
Control of the cont	Homethorne	0.333		₽361	40.374	SE F	1/5/07
Consistence   Consist	Hermonicalment	0.333		43.361	€0374	\$ <del>5</del>	
0.333	Hexachlornathan	0.333		40.361	40.374 ∫	0.00	1/6/97
0.333	Indenvil 2 3-dimensi	0.333		<b>40,361</b>	€374	02E P	
Composition	Teachers and process	0.333		40.361	Ø 374	25.6	
Composition		0.333		9,36	72.0	CIC.D.	1/5/05
Complement   Com		0.333		25.	76.6	40.5/y	40.371
1,00	Nitroberizene	0.333		176.00	100	€0.379	0.371
Colored   Colo	Perthechlorophenol	8		7 7	¥/5'0	40.379	0.371
0.333	Phenanthrene	0.333		<b>8</b> 7.7	4.12	41.₽	
0,333 40,356 40,374 40,379 40,376 40,3774 40,379	Phenol	0.333		96.99 97.99	40.374	40.379	0,371
40,36i <0,374 <0,379	Рутеле	0.333		- <del>0</del> .361	Ф,374	40.379	Ø.371
		0.333		<b>40.36</b>	40.374	40,379	22.6

DATA SUMMARY TABLE.
Arospacy Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carwell Field
Fort Worth, Texas

		Semple D:	OT3841SA	OT3842SA	FDUP-04	OT3843SA
		Sample Date:	22-OCT-95	22-OCT-95	22-0CT-95	22-0CT-95
	Quantitation	Dept	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	Liberita	Notes			Duplicate of OT3842SA	
Parameterarethod(units)						
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW1270/5W3559 (1997)	MSW3559 (marke) cout'd.					
bis(2-Chloroethoxy)methere			40.361	Ф.374	<b>40.379</b>	40.371
ose(2-Chloroethyl)ether	0.333		<b>196</b> 6	Ф.374	Q.379	₩371
bis(2-Chloroisopropyl)ether	0.333		40.361 JL	40.374 JL	40.379 IL	A0.371 JI
bis(2-Ethylbexyl)phthalate	0.333		<b>4</b> 0.361	40,374	€0.379	₩.371
n-Nitrosod-n-propylamine	0.333		<b>40,361</b>	40,374	40.379	€0.371
n-Nitroacdipbenylamine	0.333		€.0	Ф.374	40.379	₩.
% Surregate Recovery (Centrel Limit)						
war-2,4,6-Tribromophenol R% (19-122)	•		6'09	0.69	1.19	53.0
ur-2-Fluorobiphenyl R% (30-115)	r		6'09	70.1	63.9	64.2
sur-2-Fluorophenol R% (25 - 121)	•		0.80	62.0	51.1	52.1
eur-Nitrobenzane-d5 R% (23 - 120)	•		52.9	70.1	55.9	
nur-Phonol-d6 R% (24 - 113)			52.0	9.50	54.0	0.09
sur-Terohenyl-d14 R% (18 · 137)	•		0.69	108.0	669	87.1

Date OpenMicration Pass/Notes:

I = Estimated quantitation based upon QC data

IB = Estimated quantitation: possibly based high based upon QC data

IH = Estimated quantitation: possibly bissed high based upon QC data

II. = Estimated quantitation: possibly bissed high based upon QC data

IQ = Estimated quantitation: possibly bissed low or a false negative based upon QC data

IQ = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use.

' DATA SURMARY TABLE
Arrospece Maseum Site
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

		Semple ID	OT3844SA	OTTRACEA	01304684	Office Ages	
	•	Sumple Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-07T-06	013848SA
	Ottantitation	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	00-20	00.20
PARAMETER/METHOD/UNITS)		Notes:				<b>;</b>	9
SOLL PH - SWYMASNONE (News) 623-9045 pH unia Soil	,		1 66	;			
PERCENT SOLID - DZ316/NONE (percent)			ĵ	IP.	1.7	7.14	7.59
623-UZZI 6 Mogiture	•		10.0	16.0	10.0	130	0.91
METALS, TOTAL BY ICP/SW6010/SW3859 (me/kd)							O O
Aluminam	20.0		8120	13000	6110	2017	
Antoniony	25.0		6	67.6	240 15	0300	10700
	2.00		81.2	88	. 4 CE	(X)	6
Cachnism	0.300		1.66 10	0.733	233	5 6	83.6 1.5
Calcin	8.		€28.0>	0.916	177.D	, E	5.73
Спомин	10.0			121000	179000	10000	130000
Cobalt	2.00			10.8	88.8	980	255 A
Cogner	2.00			4:03 YQ	3.57 JQ	2.31 JO	Q. 00 P
	8.8		3.32 JQ	8.79			
Марпонічт	8.5		11200	12700	7470		13200
Manganese	) (2)		2510	3150	2350	1920	2800
Мођубист	8 5		\$ 62	364	474		479
Nickel	885		7 04.7 7. 1. 1.	220 10	0.7 0.7	J.46 JQ	2.91 JQ
Potestian	000		477 120 120	2.5	<b>30</b> 6	15	242
Silver	200		2 T	267 7	<u>8</u> 5	26	1770
John Trailian	25.0		788	5.5	<b>8</b> 5	\$3.5 \$3.5 \$3.5 \$3.5 \$3.5 \$3.5 \$3.5 \$3.5	3. 3
Verseline	25.0		65	625	76V	5 6 7	103
Zinc	90°		17.1	17.5	34.	75	, <b>,</b> ,
	1.00		87.0	<b>138</b>	69.5	89.5	200
ARSENIC, TOTAL BY GFAASW 7060 (meth.)							•
Abenic	0.500		236	2.57	8	- 1	
LEAD, TOTAL BY GEAASW 2421 (mely)					<u>}</u>	786.0	1 505
Trend	0.500		290	701			
MERCURY, TOTAL BY CVAASW 7471 (me/le)			:	2	Ť.	<u> </u>	280
Moreny	0.223		Ø 262	20.228	Š	•	
SELENDM, TOTAL BY GFAA/SW 7740/METHOD (me/le)					0770	677.0	40.2 <b>8</b> S
Selonim	0.500		17	747	į	i	
VOLATILE ORGANIC COMPOUNDS BY GCIACS - SWIDARMONE (			į	beth or	¥ R∵	2. 80.	219 R
1,1,1-Trichloroethere	005000		47 844 4	į			
1.1.2.2-Tetrachloroethane	0.00500		6.00542	<0.00590	€0.00552	40.00571	40.00594
1,1,2-Trichloroethane	00000		2000	0.00390	<0.00552	40,00571	€0.00594
1,1-Dichloroethere	0.00500		CD 00542	060000	Ø.00552	40.00571	40.00594
1,1-Dichloroethene	0.00500		0.00542	000000	<0.00552 \$00552	<0.00571	<0.00594
I,2-Dehloroethane	0.00500		00000	0.000	20,0052	40.00571	<0.00594
1,4-Dichloropropers	0.00500		<0.00542	G.W350	20,00352	40.00571	<b>₹0.00594</b>
2-Dutanone (MEN.)	0.0100		0.0108	0.018	40 0110 1	1/500.05	
2-Havenana	00100		€0.0108	8110 <del>0</del>		100	0.0019
	0.0100		<0.0108	<0.018	01100	71 50	6000
							6110.05

DATA SUMMARY TABLE
Arrespace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field
Fort Worth, Texas

		6	OTTO 4 CO. 4	A STANDARD			
		Semple ID	OI 3844SA	OTSMASSA	OT3846SA	OT3847SA	OT3848SA
		Semple Date	22-OCI-95	22-OCI-95	22-OCI-95	22-OCT-95	22-OCT-95
	Chaite	Notes	0.7 - 0.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)							-
VOLATTE OBGANIC COMPOUNDS BY COME.							
4-Mathyl-2-pentanone	00100		<b>8</b>	8150	5110	4100	912
Acetone	0.0100		00100>	<0.0118 J	A.0110 J	41100	400119
Benzene	0.00500		<0.00542	€0.00590	<0.00552	⊄0.00571	A) 00594
Bromodichloromethane	0.00500		<0.00542	Ф.00590	⊴0.00552	€0.00571	€0000
Вготобота	0.00500		<0.00542	€0.00590	<0.00552	⊄000\$71	40.00594
Electricimethane	0.0100		<b>9010</b> 00	40.0118	€.0110	40.0114	40.0119
Carbon disulfide	0.00500		<0.00542	€500.0>	<0.00552	<0.00571	€0.00594
Carbon tetrachloride	0.00500		<0.00542	06500'0>	₫.00552	⊄0.00571	40.00594
Chlorobenzene	0.00500		<0,00542	<0.00590	<0.00552<	⊄.00571	40.00594
Chloroethene	0.0100		<0.0108 J	40.0118 J	€0.0110	40.0114 J	40.0119 J
Chloroform	0.00500		<0.00542	Ø.00590	⊄0.00552	1,500.0>	40.00594
Chloromethane	0.0100		<b>€0.010</b>	<b>8</b> 110.0>	Ø.0110	<b>₩</b> 00114	€0.0119
Dibromochloromethene	0.00500		⊄0.00542	00000	⊄0.00552	1,500.0⊳	Ø:002 <b>84</b>
Ethytbernene	0.00500		<0.00542	€0.00590	⊄0.00552	<0.00571	₩9000
Mothylene chloride	0.00500		<0.00542	⊄0.00590	€0.00552	40.00571	€0.00594
Styratie	0,00500		<0,00542	06500.0⊳	<0.00552	€0.00571	40.00594
Tetrachloroethene	0.00500		<0.00542		<0.00552	⊄0.00571	40.00594
Tolume	0.00500		0.00873	0.00109 JQ	O,00110 JQ	0.00195 JQ	0.00863
Trohlgroethers	0.00500		₫000542	Ø.00590	€0.00552	⊄0.00571	₹0.00594
Virtyl acotate	00100		90.00 90.00	8110 000	Ø.0110	<b>9</b> .014	€110.0
Viryl chloride	00100		90.00 G	Ø.0118	Ø.01 10	₩ 0114	Ø.0119
Xylenes (total)	0.00500		<0.00542	<0.00590	€0.00552	Ø.00571	Ø.00594
Circ. 1, 2-Dichloroethene	0.00500		<0.00542	€0000	€0.00552	40.00571	<b>40.00594</b>
Cart. Lat. Compared to the cart.	000000		40.00542	©.00590	40.00552	40.0057I	Ø;000€
	0.00300		20000	06000	700007	(A)	40.00394
electorica como de la	0.00500		Q.00542	40.00590	<0.00552	<0.00571	Ø.00594
26 Surremente Roccepter (Control Limit)			1	;	,		
Mari, A-Liverior de Control ( Value )	•		0.50	6.90	8.011	108.1	106.9
sur-Economica contracts (77) (74 · 121) sur-Tohusa-48 29/6 (81 - 117)	1		3 3	2, 3	0.60	2.5	2 8
(/  -   0   v.v.   0   -     /	•		<u>.</u>	Ž	0.00	 S	929
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8270/5W3590 (me/le)							
1,2,4-Trichlorobenzene	0.333		<b>8</b> .9€	<b>7</b>	996,0	40,379	40.392
1,2-Dichlorobonizone	0.333		<b>3</b> 6.6	₩.	99.9	€75	Ø.392
1,5-Lyculor obstillar	0.333		<b>X</b>	<b>X</b> (0)	996.9	6,379	0.392
2 4 S. Trichlerenberol	0.333		\$ F		<b>8</b> 5	\$ \$ \$	Q.392
2.4.5 interpretation	0.33		37.7	<b>8 8</b>	20.733	97.6	<b>3</b> €
2,4-Dicklorephenol	0.333		<b>3</b>	¥ <del>2</del>	8 <b>39</b>	6/5/P	76. E
2,4-Dimethylphenol	0.333		98.0	₹ 8	98. <del>Q</del>	Ø 179	26 B
2,4-Dinitrophenol	191		28. △	1 161>	7 83 7	- - - - - - - -	- - - - -
2, 4-Dinitrotoluene	0.333		0.364	<0.394	99.00	€0379	Ф 392
2,6-Dinitrotoluene	0.333		₩96.0	€97	996.0	<0.379	€ 92
2-Chloronaphthalene	0,333		0,364	<0.394	40.366	€0.379	€0.392
2-Chlorophenol	0.333		Ø.364	A0.394	996.0	€0.379	40.392
2-Methylmaphthalene	0.333		96.0	₩60	40.366	€0.379	<0.392
2-Methylphenol	0.333		<b>€</b> 0.364	40.394	40.366	€0.379	40.392
2-Nitrografiane	1.67		7.82	<b>6</b> .⊳	<1.83	8.⊽	%: ∀
2-Nitrophenol	0.333		98.9	<b>₩</b>	<b>40.366</b>	<0.379	ر ۱۳۶۳
- Lyandorocar	/ <b>9</b>	•	<b>62</b> 7.2 <b>9</b>	<b>8</b> 27.	<0.733	& 78	

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DATA SUMMARY TABLE
Artotpace Maseum Site
Naval Air Station Fort Worth Joint Reserve Base, Carywell Field
Fort Worth, Texas

		Sample ID	OT3844SA	OT3845SA	OT3846SA	OT3847SA	OT3848SA
		Semple Date:	22-OCT-95	22-OCT-95	22-OCT-95	22-OCT-95	22-001-95
	Ownstitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)	Limits	Notes:		!			
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWEITWSW3559 (mark)	cout'd.						
3-Nitroeniline	1.67		<1.82	76.⊳	23.∀	8.∀	<b>%</b>
4,6-Dinitro-2-methylphenol	1.67		<b>28</b> . △	0.97	23. △	8.	<b>2</b> 8.
4-Bromophanyl phanyl ether	0.333		A 36.	0.394	40.366	€0379	Ф.392
4-Chloro-3-methylphenol	0.333		<b>79.</b> (0)	<b>€</b> .0	99.00	40.379	Ф.392
4-Chloroaniline	0,667		40.729 1	40.788 1	<0.733 1	0.758 1	Ф.784
4-Chlorophanyi phanyi ether	0.333		49.764	<0.394	99€	€75.0>	Ф.392
4-Methylphenol	0.333		<b>49.364</b>	40.39 <b>4</b>	40.366	€/20	Ф 392
4-Natroaniine	1.67		78.⊅	4.9	28.1	8,	<b>3</b> 8
4-Nitrophenol	191		<b>24</b> :∇	4.9	7 23.⊅	8.	\$ ∀
Acetaphthene	0,333		98.0	₩9	9960	40,379	A 397
Acanaphthylene	0.333		<b>49</b> .00	<b>8</b> .394	€0.366	€0379	Ø 362
Anthracene	0,333		<b>79€</b>	€0.38	9960	€76.0	Ø.392
Benzistencene	0.333		₩.364	<b>40.394</b>	40,366	0.0637 JQ	40,392
Bonzo(a)pyrene	0.333		Ð.364	40.394	99.76		€0.392
Benzo(b)fluorerthene	0.333		<b>40.364</b>	₩.394	€0.366	0.0644 10	Ø.392
Benzo(g.h.) perylene	0.333		₩364	40.394	99€′0>		40.392
Berzo(k)fluoranthene	0,333		D.364	938€	€0.366	0.379	Ø.392
Denzore soul	1.67		<b>4.82</b>	<i>1</i> 6.⊅	28:▽	8:⊽	: <b>8</b> ; ∇
Benzyl atochol	0.667		Q27.0	<b>€</b> 0.788	Ø.733	40.758	₩ 20.784
Duzyi benzyi primaleke	0.333		9.364	₩.	€0.366	Ø379	Ф.392
Consystems The Constitution of the Constitutio	0.333		<b>7</b> 9.	<b>₽</b> 6€'0>	99€'⊕		<0.392
DA-11-OUT/STOTUTE CONTRACTOR CONT	0.333		49.4	₩.	40.366	0.0254 JQ	<0.392
D-11-cocyporations	0.333		<b>3</b> 6.0	<b>36</b> 0	99€'⊕	Ø.379	40.392
	0.333		9.364	<b>36</b> .0	99.€	Ø.379	40.392
Distriction of the control of the co	0.333		<b>7</b>	<b>3</b> €	99.0	40.379	40.392
Dimethylabithalata	0.333		<b>100</b>	<b>36</b> .9	99€	Ф.379	40.392
Fliction	0.535		95.95	0.394	99.9		
Fluidan	0.333		O. 0980.0	<b>3</b> €.9	98.0	0.35 0.05	0.0396 JQ
Headhlardenzene	0.333		\$ 5 5 5 7	<b>3</b>	99.70	€76,0>	₫.392
Henethlorobytediene	0 333		9 6	¥ 6	<b>8</b> %	Ø15.00	Q.392
Herachlorocyclopentalisms	0.33		¥ 5		8 5	6,3/5	0.392
Hexachloroethane	0.333				98.9	Q(3/y	40.392
Indeno(1.2 3cd)toward	6,533		<b>1</b> 5 6		99.9	€22	40.392
Incompanies on the second	0.333		<b>1</b>	<b>₹</b>	99€.	€0.379	₫.392
Manufacture Manufa	0.333		78.0	98.0	99€®	0.379	Ф.392
Nijerika de	0.339		<b>8</b> .9	₩.394	99€	€0.379	40.392
	0,333		98.⊖	<del>2</del> 6.9	99€	€7€,0>	Ф.392
Promise options	8		<b>8</b> 5 ∇	<b>≅</b> : ∇	01.∇	<b>₹</b> .∇	<b>8</b> 1.⊳
Tringle and the state of the st	0.333		9.364	<b>4</b> 6E.O	996.0	Or 67400	40.392
	0.333			38r	€0.366		40.392
	0.333		0.0269 JQ	<b>9</b> 6.38	Ø.366	0.142	0.0549 JQ

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TABLE C-1

DATA SUMMARY TABLE
Arcospacy Massum Sta
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

Quantitation Description	8	Semple ID: Semple Date: Depth: Notes:
SEMI. VOLATILE ORGANIC COMPOUNDS BY GCMS - SWIDTMSW3559 (me/let) cset/4.  bit(2-Chloroethoxy)methane bit(2-Chloroethyl)ether bit(2-Chloroethyl)ether bit(2-Chloroethyl)ether 0.333 bit(2-Ethylhoxyl)phthalete 0.333 n-Nitroeothylannine 0.333		

40.392 40.392 40.392 11.36 40.392 40.392

40.379 40.379 40.379 40.379 40.379

0.366 0.366 0.366 0.366 0.366

0.364 0.364 0.364 0.364 0.364

65.0 65.1 65.1 52.0 52.0 56.0

50.0 59.9 50.1 50.0 86.0

58.0 54.9 58.0 58.0 72.8

65.0 55.0 55.0 61.9 56.0

51.9 59.1 45.9 47.0 62.1

. . . . . .

OT3848SA 22-OCT-95 0.0 - 2.0

OT3847SA 22-OCT-95 0.0 - 2.0

OT3846SA 22-OCT-95 0.0 - 2.0

OT3845SA 22-OCT-95 0.0 - 2.0

OT3844SA 22-OCT-95 0.0 - 2.0

% Surregate Recevery (Coursel Limit)	sur-2-Fluorobipheryl R% (30-115)	sur-Nitrobenzene-d5 R% (23 - 120)	sur-Phenol-d6 R% (24 - 113)
sur-2,4,6-Tribromophenol R% (19-122)	sur-2-Fluorosherol R% (75-121)		sur-Terphenyl-d14 R% (18 - 137)

Data Chaliffication FlacuNotes:

J = Estimated quantitation based upon QC data

IB = Estimated quantitation, possibly biased high or a false positive based upon blank data

IB = Estimated quantitation; possibly biased high based upon QC data

IL = Estimated quantitation; possibly biased low or a false negative based upon QC data

R = Estimated quantitation; detected below the Practical Quantitation Limit

R = Determ rejected based upon QC data; do not use

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DATA SUMMARY TABLE
Arrospace Meseum Site
Naval Air Station Fort Worth Joint Reserve Baze, Carrwell Fleid
Fort Worth, Texas

CETANSWY 7451 (marks)   Case		demon	Semple ID:	FDUP-05	OT3849SA	OT3850SA	OTRESIEA
Note: Deplete of O'1944-804   Deplete of O'1944-804			i die	\$6-L20-77	22-OCT-95	23-OCT-95	23-OCT-95
1772   1772	PARAMETERMETHOD (UNITS)			cate of OT3848SA	0.0 - 2.0	0.0' - 2.0' Beckground	0.0 - 2.0
1770   1770	*****					Sample	Serrole
17.02   17.02   17.02   17.03   17.0	SOULEH SWAMSNONE (ROSS) 623-9045 pH units Soil			ţ			
17.0   17.0	PERCENT SOLID - D2216 N/ONE (percent) 623-D2216 Meisters			<b>7.17</b>	7.76	7.70	7.33
CFASTMENTERNING   Store   St		•		17.0	69	9	1
250 250 270 270 270 270 270 270 270 270 270 27	METALS, TOTAL BY ICPSW6010/SW3050 (metal)					0.71	90.9
25.0 2.79.0 200 0.300 0.300 0.400 2.00 0.300 0.410 2.00 0.300 0.410 2.00 0.410 0.410 2.00 0.500 0.410 2.00 0.410 0.410 2.00 0.410 0.410 2.00 0.410 0.410 2.00 0.410 2	Authoriti	50.0		0,01	•		
200 0.300 0.300 0.300 0.300 0.410 0.500 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.500 0.410 0.	Parismonty Parismonty	25.0			2550	2150	3650
100 110 110 110 110 110 110 110 110 110	Parallian.	200		γ γ γ	787	1.99 Л	<18.0
100 100 100 100 100 100 100 100 100 100	Cardenium	0.300		0.7°C	S	57.2	53.1
100 500 500 500 500 500 500 500 500 500	Calcum	1.00		7 6	7.		0.216
\$500 \$500 \$500 \$500 \$500 \$500 \$500 \$500	Chomises	10.0		079:1	40,723	O.867 JL	€1719
\$ 500 \$ 500	Cobair	2,00		O IPS	180000	1,0000	75900
\$100 500 500 500 500 500 500 500 500 500		8:00		017	7907		10.8
25.0 1.00 5.00 5.00 5.00 5.00 5.00 5.00 1.00 1		\$.00		01 - 61	2 8 7		3.45 70
25.0 5.00 5.00 5.00 5.00 5.00 5.00 5.00	Memorium	5.00		2 0001	7.95	6.07 70	6.90
1.00 5.00 5.00 5.00 5.00 5.00 25.0 25.0 2		25.0		2420	931	7040	5110
5.00 5.00 5.00 60.0 25.0 25.0 25.0 25.0 5.00 1.00 1.00 1.00 1.00 1.00 1.00 1	Molybdenum	1:00		512	338	200	1080
5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	Vickel .	5.00		OK 08:1	<b>29</b>	P 5	82,
1430   25.0   25.0   24.10   25.0	Odeskun	3.00		219	161		<b>3</b> 5
25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	Silver :	200		1430	653	1160	5.00
25.0	Sodain De Hiii-	25.0		01.5 01.0	<b>4.62</b>	K.2	
\$100 214  1.00  1.00  1.00  2.043  2.045  2.	manifest .	25.0		2.0	£2.	135	
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		5.00		7 T	- 136. 	<u>5.15</u>	0.8℃
CFCAASW 7666 (marks)   0.500   5.48   (AASW 7451 (marks)   0.500   7722   (2.23   0.223   0.223   0.224   (2.20MPOUNDS BY GC/MS - SWEZ44/NONE (marks)   0.00500   0.		1.00		218	8.29	5.5	122
0.500  NAASW 7421 (market)  0.500  0.500  0.223  V. CVAASW 7440AETHOD (market)  1.Y GFAASW 77440AETHOD (market)  COMPOUNDS BY GCMS - SWEZ440NONE (market)  0.00500	REENIC, TOTAL BY GFAA/SW 7060 (me/ke)				<b>!</b>	2	<b>1</b> 3
V CVAANSW 7421 (me/kg)	N. Mallic	0.500		- 87	č		
0.500 772  V. CVAASW 7471 (me/kg) 0.223 0.223 0.241  V. GFAASSW 7744MGTHOD (me/kg) 0.500 0.500 0.00508  COMPOUNDS BY GCMS - SW2244NOVE (me/kg) 0.00500 0.00508 0.00500 0.00500 0.00508 0.00500 0.00500 0.00508 0.00500 0.00500 0.00508 0.00500 0.00500 0.00508 0.00500 0.00500 0.00508	EAD, TOTAL BY GEAA/SW 7421 (me/let)				<b>G</b> 77	231 Д	1.69
Y CVAASW 7471 (mg/kg)		0.500		£	•		
10.223	ERCURY, TOTAL BY CVAASW 7471 (me/le)			į	9.E.I	52.3	96.3
Y GFAASW 7744/METHOD [market]   0.500   0.500   0.0050	اصمي	0.223		,			
0.500 < 2.08  COMPOUNDS BY GCMS - SW2244/NQVE (mg/kd) 0.00500	ELENTUM TOTAL BY GRAASW 7740METHOD (mp/k)			<b>10.24</b>	40,213	₩.	Ф.246
COMPOUNDS BY GCIMS - SW2244/NOVE (mg/kg)  0.00500	र्वेश्वयंत्रास्त	0.500			; ;		
0,00500 0,00500 0,00500 0,00500 0,00500 0,00500 0,00500	OLATELE ORGANIC COMPOUNDS BY GCIMS - SW2246/NONE (market)				77 D96:07	40.424 IL	⊕.400
00500.0	1,1-Inchloroethane	00000					
0,00500 0 0,00500	1, 2, 2-1 etrachloroethane	0.00500		₩6500.0	€0.00562	40.00558	<0.000512
00500.0 0000.0 0000.0 0000.0 0000.0	1,4-1 manloroethane	005000		QU:00598	<0.00562	40.00558	CESOO (D
0.00500 0.00500 0.00500 0.00500		0.00500		8,000,00	<0.00562	40.00558	€000532
00500 0	2. Dich land of the second	0.00500		90600	20.00562	40.00558	<0.00532
005000	2-DAMINO ORINING	0.00500		-0.00398	€0.00562	<0.00558	€0.00532
0100	Butanom (AFK)	0.00500		4) (0) (a)	296000	<0.00558	<0.00532
80163	2-Chloroethyl yind ether	0.0100		0.000	290000	40.00558	€0.00532
00100	Hexarione	0.0100		8 5 8 8 5 8			<b>40.0106</b>
0.0100		0.0100		02100	¥ - 110 €	40.0112 R	40.010.0

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△ 397 △ 397 △ 795

2-Methylphenol 2-Nitroemiline 2-Nitrophenol 3,3-Dichlorober

DATA SUMMARY TABLE Arvospace Museum Site Naval Air Station Fort Worth Joint Roserve Base, Carywell Field Fort Worth, Texas

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40.00532 101.9 86.9 100.0 OT3851SA 23-OCT-95 0.0 - 2.0 Bedground Semple 40.0106 40.0106 40.00532 40.00532 40.00532 40.00532 40.0112 J 40.0112 J 40.00558 40.00558 40.00558 40.00558 40.0112 J 40.0112 J 40.0112 J 40.0112 J 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 40.00558 Q3376 Q3776 OT3850SA 23-OCT-95 0.0 - 2.0 Beckground Serrole 100.0 80.0 93.0 400112 400112 400112 400052 4000052 4000052 4000052 4000052 4000052 4000052 4000052 400000000 105.2 83.1 98.0 OT3849SA 22-OCT-95 0.0 - 2.0 40.0120 40.0120 40.00538 FDUP-05 22-OCT-95 00 - 20 Duplicate of OT3848SA 40.397 40.397 40.397 40.397 40.397 40.397 40.397 40.397 40.397 1129 96.0 98.0 Q.397 Sumple ID : Sumple Date : Depth : Notes : Quantitation Limits 0.0100 0.0200 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.0100 0.0100 0.0100 0.0100 0.0100 0.0100 0.0100 0.0100 0.0100 0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.333 FEMI-VOLATILE ORGANIC COMPOUNDS BY GCIMS - SW8770/SW3550 (mg/kz) VOLATILE ORGANIC COMPOUNDS BY GCIMS - SWIZ 440NONE (mecha) count.4. % Surveyle Recever; (Control Limit) sur-1,2-Dichlorochune-d4 R% (70-121) sur-Bromofluorobenzere R% (74-121) sur-Toluene-d8 R% (81-117) PARAMETER/METHOD/UNITS) Vinyl modute
Vinyl chloride
Xykense (total)
cis-1,2-bichloroptoere
cis-1,2-bichloroptopere
trans-1,2-bichloroptopere runs-1,3-Dichloropropene 1,3-Dichlorobenzene
2,4-5-Trichlorophenol
2,4-6-Trichlorophenol
2,4-Diendrophenol
2,4-Diendrophenol
2,4-Diendrophenol
2,4-Diendrophenol
2,4-Diendrophenol
2,4-Diendrophenol
2,6-Diendrophenol
2,6-Diendrophenol
2,6-Diendrophenol
2,6-Diendrophenol
2,6-Diendrophenol
2,6-Diendrophenol Dibromochloromethane 1, 2, 4-Trichlorobenzene 1, 2-Dichlorobenzene 4-Methyl-2-pentanone omodichloromethens Carbon tetrachloride Chlorobenzene Mothylene chloride 2-Chlorophenol 2-Methylmaphthales errachloroethene Carbon disulfide inichloroethene

TABLE C.1

DATA SUMMARY TABLE
Arrospace Museum Site
Naval Air Station Fort Worth Joint Reserve Base, Carswell Field
Fort Worth, Texas

		Semple Date	22-001-95	22-DCT-95	33 00 10	Voltage 10
	Quantitation	Depth	00-20	06.90	25-CC1-95	23-OCT-95
PARAMETERAFITHODAIMITE	Limits	Notes	Duplicate of OT3848SA	24. 00	D.C. V.O.	0.0 - 2.0
(61110) (61110)					Semal	Decignound Semala
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MK. SW47 70/5W3459 (ma/w) com'd	WSW3550 (me/le) cont'd.					Ownpre
3-Nitroemilme	<i>Cy</i> 1		,			
4,6-Dinitro-2-mathylphenol			86:⊽	△.73	88.⊽	77 P
+-Bromophenyl phenyl ether	/01		<b>\$</b> . ∇	€7.12	<b>8</b>	7 7
Chloro-3-methodoso-1	0.333		40.397	SAT &	256.00	7
	0.333		79£ (Þ	346	9/5:0	AC.05
	2990		1,65	C. (1)	<0.376	<b>0.354</b>
Chlorophenyl phenyl ether	0 111		- S	0690	<0.753 1	40.708
4-Methylphenol	6650		/56 D	0.345	<0.376	A) 354
4-Nifogniline	0.335		<0.397	0.345	924.05	200
4. Nitronhenol	1.67		8.∀	Z 23	7	VC.334
Accountable	1.67		8 ⊽		8 8	// TS
	0.333		6	25.00	98:TV	
Acamphinis	0.333		20.301		40.376	Or 5090:0
Anthracene	EEE O		165.05	QE:345	<0.376	<0.354
Betta(a) anthracene	5550		/df:Jb/	0.345	40.376	0128 10
Benzo(a)pyrene	555.0		40.397	<0.345	40.376	
Benzo(b) fluoranthane	0.333		40.397	40.345	37.00	
Benzo(e h. imerulene	0.333		40.397	<b>40.345</b>	32.6	- K/F/O
Pen zodbihovanihos-	0.333		₩ 397	392.05	215.00	1 2442
Benzoic seid	0,333		40.397	Ø 345	200	621.0
Penzy elected	1.67		8.⊽	£ 5	200	0.595
Party hannel of the last	0.667		Ø.795	6	87.TV	<i>1.</i> .⊳
	0.333		208 (5)	376 6	20.73	20.708 20.708
	0.333		61.6	25.6	9/3/6	<0.354
Orn-carry particulate	0.333		166.00		40.376	0.399
Di-n-octyputhelate	0.333		165.00	545	<0.376	0.0282 JQ
Diberta(a,h) anthracere	1110		/sc.)	40.345	40.376	0.354
Dibenzofizen	0 333		/AC.U.	<b>∂.345</b>	<b>40.376</b>	0.107
Diethytphthaleto	0 333		196.UD	<b>⊕.34</b> \$	<0.376	40.354
Dimethylphthalate	0.555		40.397	40.345	<0.376	Ø.354
Fluoranthene	0.523			<0.345	<0.376	43.60
Fluorene	0.333		O' 8890:0	80.345	20176	9590
Herachlorobenzene	0.333		40.397	<0.345	Ø376	0.0447 TO
Hexachlorobutachiene	0.333		40.397	9.345	32.6	
Hexachlorosycloperation	0,333		40,397	0.345	300	9 6
Herachlomethere	0.333		A.397	5	0/5:00	<b>A</b> C. (3)
Industry 1.1 Aleman	0.333		70£ (D)	345	0/5/7	40.354
	0.333		- F	50.00	9/5/7	A.354
	0.333		10000	CPC.U.	<0.376	0.264
	EFF ()		(65.0)	<0.345	<0.376	₩354
Nitrobenzene	ELE O		185.05	40.345	<0.376	Ø.354
Pentachlorophenol	901		Q0.397	0.345	40.376	40.354
Phenenthrene	W			<b>3</b> .∇	£	2
Phenol	0.333		0.0266 10	<b>⊕.345</b>	971 (1)	905.0
Pyrene	0.533		<0.397	0.345	76.0	5 6

TABLE C-1

Arrospace Museum Site Naval Air Station Fort Worth John! Reserve Base, Carrwell Field Fort Worth, Texas DATA SUMMARY TABLE

40.354 40.354 TL 40.354 TL 40.354 40.354 OT3851SA 23-OCT-95 0.0 - 2.0 Background Sample 75.0 70.9 58.9 61.9 62.0 40.376 40.376 40.376 11. OT3850SA 23-OCT-95 0.0 - 2.0 Beckground Sample 40.376 40.376 40.376 70.0 60.9 45.0 52.1 51.1 0.345 0.345 0.345 0.345 0.345 OT3849SA 22-OCT-95 0.0 - 2.0 65.1 62.0 43.1 51.0 51.0 40.397 40.397 40.397 40.397 40.397 FDUP-05 22-OCT-95 0.0 - 2.0 Duplicate of OT3848SA \$6.0 \$5.0 \$5.0 \$5.0 \$5.0 \$5.0 Sample ID : Sample Date : Depth : Notes : Quantitation Limits 0.333 0.333 0.333 0.333 SEMILVOLATILE ORGANIC CONPOUNDS BY GCMS - SW8270/SW3559 (ma/ks) sperid.
bis(2-Chloroethoxy)methere
bis(2-Chloroethyl)ether
bis(2-Chloroiopropyl)ether
bis(2-Chloroiopropyl)ethere
bis(2-Chloroiopropyl)ethere
bis(2-Chloroiopropyl)ethere
p-Nitroeodi-n-propylamine % Surragate Recavery (Control Limit) nur.2,4,6-Tribromophemol R% (19-122) sur-2-Fluorobiphemyl R% (30-115) sur-2-Fluorophenol R% (25 - 121) sur-Nirobenzano-d5 R% (23 - 120) sur-Phenol-d6 R% (24 - 113) sur-Terphenyl-d14 R% (18 - 137) PARAMETER/METHOD/UNITS) n-Nitrosodiphenylamine

Dela Qualification Float/Notes:

1 = Estimated quantitation based upon QC data

1B = Estimated quantitation, possibly biased high based high based upon blank data

1H = Estimated quantitation; possibly biased high based upon QC data

1L = Estimated quantitation; possibly biased high based upon QC data

1Q = Estimated quantitation; possibly biased low or a false negative based upon QC data

1Q = Estimated quantitation; detected below the Practical Quantitation Limit

R = Datas rejected based upon QC data; do not use.

PREPARED/DATE: John Pecore/2-22-96
CHECKED/DATE: Sue May/2-22-96

3517-320%

### APPENDIX C-2

## GROUNDS MAINTENANCE YARD

TABLE C-1

DATA SUMMARY TABLE Ground Maintenance Yard Navni Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Semple ID	OT3901SA	ASCOSTTO	OTRODEA	100 OCTO
		Sample Date:	23-OCT-95	23-OCT-95	ASCUCIO PA-PO-PC	O DO SE
	Quantification 1 in the	Depth:	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER METHOD (UNITS)		Notes	Background Semple	Background		
<b>SOIL RH - SWYMSANONE (1998)</b> 623-9045 pH units Soil	7		4,6		   	
PERCENT SOLID - D2216 MONE (PARSON)			Č.	18.7	7.65	7.66
623-D2216 Moisture	,		13.0	16.0	300	12.0
METALS, TOTAL BY ICP/SW6010/SW3050 (mg/kg)					ì	27.
Aluminum	20.0		7850	OPPO	0007	200
Afficiency	25.0		<19.8	\$ 10 0:15	8 6 6	<del>2</del> 30
Bertlian	2.00		95.3	123	121	Ş <u>=</u>
Cadruian	0300		0.634	Z.51	0.551	, C,
Calcium	907		40,793	40.838	€16.0⊳	€0.892
Chromium	005		3000	00901		
Cobalt	200		3.52	241.9	2.85 JQ	
Capper	2:00		3	2. 7. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z.	ζγ <b>27.5</b>	2.14.70
Venezione	2:00		10800		16.6	
Mentane	25.0		1790	2370	330	4200 03CC
Molybdanin	1:00		333	334	315	0C77
Note	8 8		1.43 JQ	J.59 JQ	9975	<b>64.46</b>
Potantim	00%		8.72	114	7.35	235
Silver	200		E 8	1480	1500	1100 JH
Sodium	25.0		£ 000	70.5	97	\$ . \$
Indiana	25.0		49.8	8, <u>6</u>	5 E	:: ::
Zinc	2,00		15.4	17.4	66	5
	00.1		20.4	44.2	17.3	78.5 2.5
ARSENIC, TOTAL BY GFAASW 7060 (mg/kg)						ı
Ausenic	0.500		2.23	1.82	1.95	1.47
LEAD, TOTAL BY GRANSW 7421 (mg/m)						
	0.500		12.4	10.1	15.5 JH	5.87
MERCURY, TOTAL BY CVAASW 7471 (mg/kg)						
Mercury	0.185		40.264	40.251	Ø.293	286
SELENUM, TOTAL BY GFAASW 7740METHOD (mg/kg)						
ociolistica.	0.500		<0.426 JL	2.16	<b>₹35 Л.</b>	2.18 J.
ORGANOCHLORINE PESTICIDES AND PCBs SW0080/SW3850 (MB/Ls)						<b>!</b>
4,4-DDE	0.00333		<0.00382	<0.00400	<0.00412	c) 10412
4.4-DDT	0.00133		40.00153	<0.00160	<0.00165	Ø.00165
AR1016	0.00333		<0.00382	<0.00400	<0.00412	0.00413
ARI 221	0.0333		<b>€0.0382</b>	Q 0400	△0,0412	40,0413
ARI 232	66600		<0.0382	Q 0400	<0.0412	0.0413
AR1242	FFF00		<0.0382	00400	€0.0412	40.0413
AR1248	0.0333		CD 0382	00000 000000 0000000000000000000000000	40.0412	0.0413
ARI 254	0.0333		0.038	0.040	6.00	&.@. 
			1	Arrana (a)	<0.0412	0.0413

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Art Statene Fort Worth Joint Reserve Base, Carawell Field Fort Worth, Texas

0.00498 0.00498 0.0498 0.04747 0.0498 IL 0.0498 0.0498 0.0174 0.0174 0.0174 40.00604 40.00604 40.00604 40.00604 40.00604 40.0121 40.0121 OT3904SA 23-OCT-95 0.0'-2.0' 52.1 0.00619 0.00619 0.00619 0.00619 0.00619 0.00619 0.0124 0.0124 0.0124 6.00487 6.00487 6.0723 6.0723 6.0768 6.00487 6.0168 6.0168 40.0412 40.00165 40.000824 40.000824 60.001624 60.00247 60.00226 60.00206 60.00206 60.00206 60.00206 60.00206 60.00206 OT3903SA 23-OCT-95 0.0 - 2.0 OT3902SA 23-OCT-95 0.0 - 2.0 Beckground Semple 40.0400
40.00160
40.00160
40.00200
40.00200
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40.00240
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40.00200 40.00586
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 40.00586
 40.00586
 40.00586
 40.00586
 40.0017
 40.0117 51.3 0.00460 0.00460 0.0460 0.0460 0.0460 0.0460 0.0460 0.045 40.00591 40.00591 40.00591 40.00591 40.00591 40.0118 40.0118 40.0387 40.00153 40.00154 40.00159 40.00159 40.00115 40.00115 40.00115 40.00115 40.00115 40.00115 OT3901 SA 23-OCT-95 0.0 - 2.0 Background Semple 8 Semple ID
Semple Deta
Depth
Notes Quantitation Limits 0.0033 0.00133 0.00166 0.00166 0.00133 0.00203 0.00166 0.00166 0.00166 0.00166 0.00166 0.00400 0.00400 0.0400 0.140 0.0400 0.0140 3.00 3.00 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.0100 0.0100 ORGANOCHLORINE PESTICIDES AND PCBs... SW1999/SW3899 (macks) s901'4. Ari 260 YOLATILE ORGANIC COMPOUNDS BY GCMS - SWEETAUNONE (mg/kg)
1.1.1-Trichloroethane
1.1.2-Tertachloroethane
1.1.2-Trichloroethane
1.1.2-Trichloroethane
1.1-Dichloroethane
1.2-Dichloroethane
CHLORINATED HERBICIDES - SW8150/METHOD (mg/hg) % Surragula Recutary (Control Limit) sur-Dibutyichlorendata R% (10-181) sur-TCMX R% (18-145) W. Surrente Recevery (Control Limit) na-DCAA R% (0-191) PARAMETER/METHOD(UNITS) 2-Chloroethyl varyl ether 3-Hexamone delta-BHC genna-BHC (Lindene) Endrin aldehyde Heptachlor Heptachlor epoxide Methoxychlor -Methyl-2-pentanone Endownism i Endownism ii Endownism suitste 2,4,5-T 2,4,5-TP (Silvex) Dulapon Dicamba Dichloroprop Dinoseb OCE-BHC 24-DB

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Toxas

		Semple ID:	OT3901SA	OT3902SA	OT3903SA	OT3904SA
		Sample Date:	23-OCT-95	23-OCT-95	23-OCT-95	23-001-95
	Cusmtification	Depth	0.0-2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)		Notes	Beckground Semole	Background Semale		
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWIZHANONE (==/Le) cont.4.	8			,		
Венгане	0.0000			40017	<0.0124 J	40.0121
Bromodichloromethane	0.00500		16000	980000	9000	40,00604
Bromoform	0.00500		€ 0000	AD 00.586	6 500 E	<b>100000</b>
Bromomethene	00000		& 10.05	Ø0117	6,000 100	F1000.
Carbon disulfide	0.00500		1650000	98500 ₽	619090	A) 10.00
Carbon tetrachiloride	0.00500		40.00591	0000386	61900¢	00000
Chlorobenzene	0.00500		40.00591	€0.00586	€1900¢	10000 (F)
Chloroethane	0.0100		€ 91100	40.0117	<0.0124 J	0.000
Chloroform	0.00500		₩ 000591	0.00586	€1900¢	09000₽
Chloropiethane	0.0100		40.0118	₹0.0117	<0.0124	40.0121
Ultranochloromethare	0.00500		40.00591	€0.00586	61900.0>	40,00604
Eurytoenzene Markutan ablanta	0.00500		40.00591	<0.00586	€1900'0>	40,00604
Medifyight change	0.00500		€0.00591	0.00586	€1900°C>	<0.00604
Jyrange Trenchless with the second se	0.00500		40.0059I	€0.00586	€1900.0>	40,00604
Tollinens	0.00500			<0.00586	€1900.0>	40,00604
Trichlorushese	0.00500		0.00503 KQ	₩000	0.0140	40.00604
Virgilization	0.00500		€0.00591	€0.00586	€1900.0>	₩0900.0
Viryl chloride	00100		B1100	40.0117	40.0124	<0.0121
Volence (free])	0.0100		B. 10.0	40.0117	<b>€0.01 24</b>	40.0121
cis-1 2.Dichlorosthans	0.00500		€0.00591	Ø 00586	€[900:0>	40,00604
cie.l. 3-Dichloromonene	00000		40.0059 6.0059	€0.00586	40.00619	₹0,00604
trans-1, 2-Dichloroethere	000000		40.0039	980000	619000	40.00604
trans-1,3-Dichloropxopene	0.00500		€0000	000000	0.00019	6.0060
				OBCOO.	Alpon o	ADDON'O
26 Surregate Recovery (Control Limit)						
54.1,4.10.440.054446.644 (7.4 (7.4 (1.1))			104.9	114.0	109.0	106.0
ext. Tolorood & Por (81, 117)	•		87.0	95.1	84.0	93.0
	•		100.0	100.0	0.66	103.0
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMIS - SW87765W3554 (mere)						
1,2,4-Trablorobenzene	0.333		€0.380	€0.391	412	0.40
1,2-Dichlorobenzene	0.333		0380	Q.391	0.412	9 6
	0.333		0,380	40.391	412	8
1,4-Dichloroenzene	0,333		0380	Q.391	Ф.412	9
2,4,2-1 manker opinions	0.667		€51.00	€0.782	A).824	00800
2, 4,0-1 famor opposition	0.333		€0.380	O.39I	₫.412	00+00
2 4. Distactive by a second	0.333		<b>8</b>	16E.0	40.412	40.400
2.4. Paristanty spaces	0.333		08. Q	16€ 'Ø	41.2	40,400
2.4-Danicophiens	1.67		- 8€ ∇	<b>~</b> ⊗∵	<2.06 1	42.00
2 6. Designation of the contract of the contra	0.333		98. 9	40.391	412	€0.400
2. Chloromarki kalena	0.333		<b>9</b>	16€ O	Ø.412	Ø.400
2-Chlorophonol	0,333		380	O.391	0.412	€0.400
2-Methylaenishalene	0.333		98.9 9	9.39	40.412	Q +00
2-Methylphenol	0.333		28. F	90.391	0.412	00+00
2-Nitroeniline	0.333		08. G	E 8	40.412	Q 400
2-Nitrophenol	(.b/		8. § ⊽ ¢	<b>3</b> 8, ⊽	7.8	<b>2</b> 700
	הנני.		CD 380	₩.39	0.412	90400

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3517-1209

TABLE C-1

DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

OT3904SA 23-OCT-95 0.0' - 2.0' 0T3903SA 23-OCT-95 0.0 - 2.0 OT3902SA 23-OCT-95 0.0 - 2.0 Background Semple 6.759 0.380 0.780 0.380 0.759 OT3901 SA 23-OCT-95 0.0 - 2.0 Background Sample 8.0 380 380 ₫.0380 Sample ID: Sample Dete: Depth: Notes: Quantitation Limits 0.0567 0.0333 0.033 0.0333 0.0 SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8270/SW3559 (mg/kg) com/d. PARAMETER/METHOD(UNITS) 4.6-Dinitro-2-methyliphenol 4-Bromophenyl phenyl ether 4-Chlorro-3-methyliphenol 4-Chlorophenyl phenyl ether 4-Metrylphenol 4-Nitroamiline 4-Nitrophenol Hexachlorobenzene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hoxachlorochune Indeno(1,2,3-od)pyrene Dri-bayphthalate
Dri-cetyphthalate
Drivera(a,b)serdresene
Diberacoslassa
Dietytyphthalate
Priceratysphthalate
Fluorardises 3,3'-Dichlorobenzidine Butyl benzyl phthalete Benzo(a)pyrane Benzo(b)diuoranthane Senzo(g.h.) perylene Senzo(k)fluorunthene Anthracepe Benz(a)anthracene entachlorophenol Thenanthrene Acenaphthene Acenaphthylene - Chlorouniste -Nitroeniline Senzyl alcohol

Find that interest

TABLE C-2

DATA SUMMARY TABLE Ground Maintenance Yard Navni Air Station Fort Worth Johnt Reserve Base, Carswell Field Fort Worth, Taxas

Sumple Date   2-OCT-55   2-OCT-							
Commutation   Commutation   Complet   Control   Contro			Semple ID:	OT3901SA	OT3902SA	OT3903SA	OTTOMER
Constitution   Cons			Semple Date:	23-OCT-95	23-OCT-95	23-OCT-95	23-07T-95
MPOUNDS BY GC/MS - SWELTANSW1559 (mar/kd) coast'4.  MPOUNDS BY GC/MS - SWELTANSW1559 (mar/kd) coast'4.  0.333		Quantitation	Depth:	0.0 - 2.0	0.0-2.0	00-20	00.30
MPOUNDS BY GCMS - SWEZTMSW3559 (mm/hd) conf.d.  0.333	ARAMETERARETHOMINITS	Lint	Notes	Beckground	Background	ì	0.5
MPOUNIS BY GCAMS - SWEZTMASW) 559 (me/kd) cent/d.  0.333				Sample	Semple		
0.333	EMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8279SW3559 (me/le) coast						
0.333	er(2-Chloroethoxy)methers	0.333		į,	1		
0.333	# Chierral Indiana	500.0		Q1.380	Ø.39	0.412	<del>6</del>
0.333	of a Commonweal Labor	0.333		<b>9</b> €	40.391	412	9
0.333	74 - Cart	0.333		Ø.380 JL	40.391 JL	Ø 417 II.	1 040
0.333		0.333		€0.380	0.39	Ø.417	2
0.333	Alternative designations of the second secon	0.333		0380	0.391	Ø412	
-122) 60.9 61.1 68.0 -122) - 66.8 63.9 68.9 56.0 51.0 57.9 - 56.1 57.0 61.9 - 54.0 55.0 62.0 - 112.9 70.1 78.0		0.333		40.380	0.391	40.412	9 9
60.9 61.1 68.0 (6.8 63.9 68.9 (6.1 68.0 68.9 (6.1 68.0 68.9 68.9 (6.1 6.1 68.0 68.9 68.9 (6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	Serrogate Recovery (Centrol Limit)						}
66.8 66.1 68.0 68.0 66.8 66.1 68.0 68.0 66.8 63.9 68.9 68.9 68.9 68.9 68.9 68.9 68.9 68	r-2,4,6-Tribramophenol R% (19 - 122)				i		
66.8 63.9 68.9 68.9 68.9 68.9 65.0 54.0 57.9 68.9 68.9 68.1 57.9 64.1 54.0 54.0 54.0 62.0 62.0 78.1 78.1 78.1 78.1 78.1 78.1 78.1 78.1	r-2-Fluorobusherry  R% (30 - 115)			600	61.1	0.80	53.0
560 51.0 57.9 56.1 57.0 61.9 54.0 56.0 62.0	-2-Elucondonol B & ( 25, 121)	•		8.99	63.9	6.89	002
54.0 57.0 61.9 54.0 56.0 62.0 112.9 70.1 78.9	Withham and Conf. 22 (121)	•		26.0	51.0	57.9	650
54.0 56.0 62.0	**Description   Act   Ac	•		26.1	57.0	6.19	0.55
112.9 70.1 78.9	((11 - 17 ) A.V. O. Torrior			54.0	3		
	r-1 arphanyl-d14 R% (18-137)	•		112.9	70.1	78.9	93.0

Data Conditionables Practiveles:

I = Estimated quantitation based upon QC data

IB = Estimated quantitation possibly bissed high or a false positive based upon blank data

IH = Estimated quantitation: possibly bissed high based upon QC data

IL = Estimated quantitation: possibly bissed low or a false negative based upon QC data

IQ = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data do not use.

DATA SUMMARY TABLE Ground Maintanance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

Comparison   Com							
Committee   Profit   Profit   1972   1972   1972   1973   1973   1973   1973   1974			Sample ID	OT3905SA	OT3906SA	OT3907SA	OT3908SA
TUTOMALTISODALIVITY)   Column		Quantitation	Semple Date: Depth:	23-OCT-95 0.0 - 2.0	23-OCT-95 0.0 - 2.0	23-OCF-95 0.0 - 2.0	24-OCT-95 0.0 - 2.0
1,000   1,00	PARAMETERMETHOD(UNITS)	Limita	Notes				
1.00   1.00	<b>SOIL PH · SWYMAS/NONE (Bross)</b> 623-9045 pH units Soil	ı		7.72	7.61	7.59	7.90
### CTITAL BY ICTASTWEELENHISE Leached  ### CTITAL BY ICTASTWEELENHISE LEACHED  ### CTITAL BY ICTASTWEELENHISE Leached  ### CTITAL BY ICTASTWEELENHISE Leached  ### CTITAL BY ICTASTWEELENHISE Leached  ### CTITAL BY ICTASTWEELENHISE Leached  ### CTITAL BY ICTASTWEELENHISE Leached  ### CTITAL BY ICTASTWEELENHISE Leached  ### CTITAL BY ICTASTWEELENHISE Leached  ### CTITAL BY ICTASTWEELENHISE LEACHED  ### CT	PERCENT SOLD - D2316 MONE (percent) 623-D2216 Moisture	•		091	23.0	20.0	18.0
Story	METALS, TOTAL BY ICP/SW6010/SW3050 (macha)						
120   131	Aluminum	0.08		4300	5140	4060	4580
1, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Antamony	25.0		£	<b>439</b>	\$25	\$228
1,000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,04000   2,0400   2,	Barnan D11:	2.00		<b>≈</b> ?	179	<del>-</del> 5	152
100   29400   29600	Detylitan Cafarian	0.50		57.73 5000 F	<b>8</b> .7	7.75	5.5
11   11   11   11   11   11   11   1	Calcium	001		20400	286000		26900
150   151 PQ   154 PQ   154 PQ   155	Ofromium	200		32.7	<47.8		<45.5
1911   4559   718   40   718	Cobalt	2:00		2.27 JQ			
100   140   170   140   170	Copper	2:00		161			7.28 70
1450   1450	Iron	2:00		<b>S4</b> 10	4550	4210	3750
100   340   171	Magnesium	25.0		1420	1770	1450	1420
CLOTALEY GRACEY 7860 Lawfeet   170 Act   173	Mangarone	8 8		2 2	271	332	122
100   100	Netel	905		242 242	λ ξ. ξ.	5 C. C.	(C.)
250   245   418   413   445   455	Potessium	0.09		1010	698	1370 JH	3 2
150   124   139   144   130   134   130   144   130	Silver	2:00		<4.54	<4.78	4.53	<4.55
100   2421   2439   2426   7 4248   7	Sodium	25.0		349	180	4	
1	Thellium	25.0		\$	623	\$3	
1.00   99.0   55.2   91.4   75.5	Versethern	200		30.	æ.	6.80	3
C. TOTAL BY GFAASW 7421 (me/ka)         0.500         1.61         0.801         169         0.456         0.456         0.456         0.456         0.456         0.507         0.456         0.507         0.456         0.507 <th< td=""><td>Zinc</td><td>1.00</td><td></td><td>0.66</td><td>53.2</td><td>91.4</td><td>75.5</td></th<>	Zinc	1.00		0.66	53.2	91.4	75.5
CVIAL BY GFAASW 7431 (merks)         0.560         71.9         10.1         44.6         5.52           RY, TOTAL BY CFAASW 7421 (merks)         0.185         0.185         0.185         0.185         0.185         0.185         0.185         0.187         0.177           UM, TOTAL BY CFAASW 7740/METHOD (merks)         0.500         0.185         0.50         0.185         0.187         0.178         0.178           OCELLORIVE PESTICIDES AND PCBL SWERROWW 3550 (merks)         0.500         0.0033         0.0045         0.0110         0.0110         0.0145         0.0146         0.0146         0.0046           OCELLORIVE PESTICIDES AND PCBL SWERROWW 3550 (merks)         0.0033         0.0033         0.0046         0.0166         0.0166         0.0166         0.0166         0.0166         0.0166         0.0166         0.0166         0.0166         0.0166         0.0046	ARSENIC, TOTAL BY GFAASW 7660 (mg/L) Areque	0.500		1.61	0.801	169	0.456
Chief   Comparison   Comparis	LEAD, TOTAL BY GFAA/SW 7421 (mg/kg) Lond	0.500		71.9	10.1	44.6	5.92
LUM. TOTAL. BY GFAA5W 7740/METHOD (ms/kt)         0.500         40.454         0.310 fQ         <2.33         0.478           CCBLORIVE PESTICIDES AND PCBs - SWR000/SW3550 (ms/kt)         0.00333         40.00160         40.00405         40.00405         40.00405         40.00405         40.00405         40.00401         40	MERCURY, TOTAL BY CYAASW 2471 (merke) Mercury	0.185		4).266	40.310	<ul><li>40.244</li></ul>	40.272
OCHLORINE PESTICIDES AND PCBs SWR000CSW3550 (mg/kg)         0.00333         ch 0.004 00         ch 0.004 00         ch 0.004 05         ch 0.004 16           0.00333         0.00333         ch 0.004 00         ch 0.004 05         ch 0.004 05         ch 0.004 16           0.0333         ch 0.004 00         ch 0.004 05         ch 0.004 05         ch 0.004 14           0.0333         ch 0.004 00         ch 0.004 05         ch 0.004 0         ch 0.004 14           0.0333         ch 0.004 00         ch 0.005 0         ch 0.004 0         ch 0.004 0         ch 0.004 14           0.0333         ch 0.004 00         ch 0.005 0         ch 0.005 0         ch 0.004 0	<u>SELENTUM, TOTAL BY GPAASW 7740METHOD (mr/kz)</u> Selenum	0.500		40.454		Q.33	0.478 JQ
0.00333         Q.00160         Q.00162         Q.00166           0.00333         Q.00333         Q.00400         Q.00405         Q.00414           0.0333         Q.0400         Q.0400         Q.0405         Q.0414           0.0333         Q.0400         Q.0405         Q.0414	ORGANOCHLORINE PESTICIDES AND PCP4 - SWROBOSW3550 (marke) 4.4-DDD	0.00333		<0.00400	<0.00405	<b>△0.0041</b> 4	40.00403
0.00333	4,4-DDE	0.00133		<0.00160	<0.00162	₹0000	<0.00161
0.0333     40,0400     40,0405     40,0414       0.0333     40,0400     40,0400     40,0405     40,0414       0.0333     40,0400     40,0400     40,0405     40,0414       0.0333     40,0400     40,0405     40,0414     40,0414	4.4-DDT	0.00333		€0.00400	<0.00405	⊕.00 <b>41</b> 4	<0.00403
0.0333     -0.0400     -0.0403     -0.0414       0.0333     -0.0400     -0.0405     -0.0414       0.0333     -0.0400     -0.0405     -0.0414       0.0333     -0.0400     -0.0405     -0.0414       0.0333     -0.0400     -0.0405     -0.0414	ARIO16	0.0333		8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	A.0405	<b>8</b> €	40.0403
0.0333 40.0400 40.0403 40.0414 0.0333 40.0400 40.0405 40.0414 0.0333 40.0400 40.0405 40.0414	ARI 521	0.0333		00000	S0 0403	6.0414	6000 F
0.0333	AR1232 AR1247	0,033		886	Q-0403	8 8 8 8	0.0403
0.0333	AR1248	0.0333		000 000 000	0.040 0.040 0.040 0.040	<u>*</u> ₹	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	ARI 254	0,0333		40.0400	<0.0405	40.0414	<0,0403

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

			Change			
		Semple Des	015905SA	013906SA	OT3907SA	OT3908SA
	Ossutitation	Depth:	0.0 - 2.0	00.20	00.20	00.20
PARAMETERMETHODOUNTS	Limite	Notes	<b>;</b>	<b>;</b>		
UKCANUCHLUKLITE FESTICHES AND FORGO SWEEKSWESSE (MENG) CORFO.	11100		966	2000		1
Aldrin	0 00131		8 100 6	2000	A 100 Kg	50000
Chlordene	0.0166		Ф.0200	Ø 0202	0.0652	(C) (C)
Dieldrin	0.000666		0000000	<0.000 <b>8</b> 10	<0.000628	9090000
Endowulsan 1	0.00166		00200	<0.00202	40.00207	<0.00202
Endownskin II	0.00133		€000160	<0.00162	99 [00 ℃	⊕.00161
Endownlian sulfate	0.00333		€0.00400	<0.00405	<0.00414	Ф.00403
Endrin	0.00200		⊄0.00240	<0.00243	<0.00248	<0.00242
Endrin aldehyde	0.00333		<0.00400	€0.00405	<0.00414	<0.00403
Heytachlor	0.000999		<0.00120	<0.00122	<0.00124	<0.00121
Heptachlor spoxide	0.00166		€0.00200	<b>₹0.00202</b>	<0.00207	<0.00202
Methoxychlor	9910.0		00Z00	Ø.0202	€0.020.0>	<0.0202
Toxaghane	0.0666		00000	0.0810	₩ 00.0828	9080.0>
	0.000999		Ø.00120	Ø.00122	40.00124	40.00121
Desir-Bit C	0.00166		€0:00200 €0:00200	<0.00202	<0.00207	<0.00202
ostar-pire.	0.00183		00Z00	40.00202 60.00202	40.00207	40.00202 0.00202
	COM		Bio.	70,000,00	96 ION (05	40.001 bi
9. Surregale Recovery (Control Limit)			;	è	;	;
TOTAL DESCRIPTION OF THE PROPERTY OF THE PROPE	1		0.41	0.60	80.9	10.0
MIN-1-MIX K78 (18 - 142)	•		71.3	4.2		77.0
CHLORINATED HERBICIDES - SW8154/METHOD (mg/kg)						
2,4,5-T	0.00400		<0.00482	40.00494	€0.00500	<0.00488
2,4,5-TP (Silvex)	0.00400		<0.00482	4900.00	00\$00 O>	88-00-Q
2,4-0	0.0400		<0.0482	A0.0494	40.0500	888
24-DB	0.0600		€2,0723	<0.0741	0.0750	<b>€0.0732</b>
Delapon	0.140		49.169	Q.173 J	Ø.175	6.17
Dicembe	0.00400		D.00462 IL	<0.00494 JL	<0.00500 R.	<0.00488
Dichloroprop	0.0400		<0.0482	<del>0</del> .0494	€0.0500	D.0488 J
Darceb	0.0140		<b>59</b> 10.00	€7.10.0⊅	<0.0175	CD:01.71
MCPA	3.00		<b>3</b> .62	5.2	57.5	8
MCTP	3,00		4.0\$	07.50	\$7.5	<b>39</b> .0
26 Survendo Recuvery (Control Limit)						
Mu-DCAA R% (0-191)	•		49.0	51.0	44.8	40.0
YOLATLLE ORGANIC COMPOUNDS BY GCMS - SW8244NONE (merks)						
1,1,1-Trichloroethane	0.00500		<0.00596	<0.00606	€0.00624	90900 (Þ
1,1,2,2-Tetrachloroethane	0.00500		40.00596	909000⊳	40.00624	€0.00606
1,1,2-Trickliggoethane	0.00500		40.00596	<0.00606	<0.00624	40.00606
1,1-Drahloroethane	0.00500		€000596	<0.0000 40.00606	<0.00624	40.00606
1,1-Dichloroethene	0.00500		40.00596	€00000	<0.00624	<0.00606
1,2-Dichloroethane	0.00500		€0.00596	<0.00606	⊄0.00624	90900€
1,2-Dichloropropene	0.00500		0.00596	40.00606	€0.00624	<0.00606
Z-Budanone (MEX.)	0.0100		40119 1		40.0125	0.0121
2-Chighoethyl Vinyl ether	0.0100		Ø.0119	40.0121 R	40.0125	40.0121
Z-Hexanone	0.0100		Ø0119		<0.0125	<0.0121 J
4-Metry-2-partenore	0.0100		<0.0119	₩0.0121	<b>40.01.25</b>	40.0121

DATA SUMMARY TABLE Greed Maintenace Yard Naval Air Statton Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Seemble ID	OT3905SA	OT3906SA	OT3907SA	OT3908SA
		Semple Dute:	23-OCT-95	23-OCT-95	23-OCT-95	24-OCT-95
	Quantifation	Copyel	0.0-2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)		. Notes				
VOLATUE ORGANIC COMPOUNDS BY GCMS - SWILMPHONE (methol contle						
Acetone	0.0100		0.0119	0.0121 1	Ø.0125	0.0121
Promodichloromathane	0.00500		<b>36</b> (00.00)	90000 Q	C) (0624	40.0000 41.00606
Втопобота	0.00500		€0000	909000₽	€0,00624	90900⊕
Bronsomethane	0.0100		€110.0>	<0.0121	<0.0125	
Carbon divulfide	0.00500		<0.00596	0,00606	⊄0.00624	0.000610 JQ
Carbon tetrachloride	0.00500		€500.0	909000€	€0.00624	≪0.00606
Chlorobenzene	0.00500			Ø)00000		40.00 <b>606</b>
	00000		Q10013	40.0121	0.0125	Ø.0121
Chloromathura	00100		4.005%	20000	Q100024	0.0000
Dibromochlorenschane	00000		2000€ 2000€	909000	Ø 00624	90900 (D
Ethylbenzene	0.00500		€0.005%	909000	€0.00624	909000
Methylene chloride	0.00500		96500.0>	0.00410	<0.00624	909000⊳
Styrene	0.00500		0.00596	€0.00606	<0.00624	909000>
Tetrachkroethere	0.00500		96500.0>	90900′0>	<0.00624	
Toluene	0.00500		0.0165	0.000727	<0.00624	Or 10500:0
Trichloroethene	0.00500		€0000	90900	<0.00624	909000
Virtyl acetate	0.0100		Ø.0119	0.0121	Ø.0125	Ø 0121 J
Vinyi chloride	00100		Ø.0119	40.0121	40.0125	€.0121
Xylenne (total)	0.00500		965000	909000	€0.00624	40.00606
cu-i, Z-Dichioroethere	0.00000		965000	909000	40.00624	90,0000
CB-1,5-Distinct cytopene	0.00500		6.00396 6.00396	0.0000	40.00624	90909
trans-1.3-Dichlorocropere	000000		\$600 P	O00000	C) 10624	90000 G
						Oncomo la
25 Surregale Recovery (Control Limit)			į		,	
var.; 2-Dadugroethane-d-4 K% ( /0 - 1.21)			<u> </u>	690	107.1	110.1
$\mathbf{x}_{\mathbf{x}}}}}}}}}}$	•		- 5 - 5	6.60	5, 55	E S
	•		Ž	200	0.001	1070
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8270/SW3559 (mg/kg)						
1,2,4-Trichlorobenzene	0,333		€66.0	40.431	₫.413	40,406
1,2-Dichlorobenzene	0.333		933	0.43	40.413	99.69
1,3-DKOROVORTORNA 1 a Distribuch	0.333		E6.9	<b>6</b> .63	E P	90,406
2.4.5-Trishersylenel	0.533		6 6 8 6	43.43.	A. 6.41.5	<del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del>
2,4,6-Trichlorophenol	0.333		£ (₹	Ø 44.	1 F	* F
2,4-Dichlorophenol	0.333		€93	0.431	64.0	90.40
2, 4 Dimethylphenol	0.333		€0.393	<0.431	0.413	0.406
2,4-Dinitrophenol	1.67		96∵ ▽	42.16 J	42.06	2.03
2,4-Duratrotoluene	0.333		₹ Ф	€0.431	0.413	90+0
2,6-Dandrotoluene	0.333		<0.393	⊕.431	₫413	<0.406
2-Chloromphitalene	0.333		₫.393	431	A.413	40.406
2-Chlorophenol	0.333		<b>⊘.393</b>	0.43	0.413	90,406
2. Mathallanen	0.333		933	€ 6	0.413	Ø. 6
2. Nitransline	1.53		26.593 20.593	9.45	413	90.406
2-Nitrophenol	10.1		8.5	9 7 F	8.76	5 5
			200	}	7.7	3

TABLE C-1

DATA SUMMARY TABLE Ground Maintenance Yand Navni Air Station Fort Worth Johnt Resorve Base, Carrwell Field Fort Worth, Texas

23-0CT-55				Vecover 10	Vegnerio	AC LOCAL D	CONT.
Limit		Our Alfadlan	Semple Dete	23-OCT-95	23-OCT-95	23-OCT-95	24-OCT-95
ALTICORRANGE COMPOUNDE IN COMBS - SWETTERMY SSSC Institute and composition of the compo	ARAMETERMETHODUNITS)	Limits	Notes:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
1667   2018	EMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS - SWIZTASW3559 (mar/la) comité.						
1   1   1   1   1   1   1   1   1   1	,3-Unchlorobenzidine	0.667		40.786	<b>198</b> (2)		
10		1.67		<b>8</b> : ∇	910		218.00
Columbia	Outset full of the contract of	191		¥ ∇	7	33,4	2.03
Color	-caomophority phony ether	0,333		10t ©		9.57	7.03
Color	-Chloro-3-methylphenol	0.333		101	<u> </u>	Q. 4.3	Ø. 406
1	-Chlorogatil gre	1990		0000	16.03	40.4∏3	97.00
1	-Chlorophenyl phenyl ether	0.00		26.7	<b>40.863</b> J	40.826	40.812
1,033   4,041   4,04	Methylphenol	0.335		₩.	431	Ф.413	0406
1	Nitroenijne	0.533		⊄.393	0.43	40.413	246
157   0.78   0.18   0.16   0.2   0	Nitrophenol	1.67		<b>%</b> .	2.16	80	8 8
1975   1975	i in operation	1.67		8€	2.0	3 7	5
Columbia	eta pina de la constante de la	0.333		0.154.10			4.03
Continue	conspiritylene	111		\$ 6 \$			<b>9</b>
mean         0.313         9.72         0.441         0.0884 AQ           mean         0.333         4.38         0.441         0.088           considered         0.333         4.38         0.441         0.066           considered         0.333         4.38         0.441         0.067           pickalise         0.667         0.735         0.441         0.068           pickalise         0.333         0.335         0.443         0.068           pickalise         0.333         0.335         0.431         0.068           pickalise         0.333         0.335         0.431         0.068           pickalise         0.333         0.355         0.443         0.0641           pickalise         0.333         0.355         0.443         0.0413           pickalise         0.333         0.355         0.443         0.0413           pickalise         0.333         0.343         0.443         0.0413           pickalise         0.333         0.343         0.4413         0.0413           pickalise         0.333         0.343         0.4413         0.0413           clopertalidene         0.333         0.343         0.431	приложие	222		20.395	43.431	0.413	406
1,22,2	snz(a)wrthmoene	55.0		0.572	₫.431	0.0834 JQ	40.406
1,33	nn2o(e)pyrene	0.339		3.98	0.431	0.516	₩ 9
October   Octo	mazo (b) fluoranthere	0.333		4.58	0.431	0.667	A04.05
1	mzo(e.h.ibozylene	0.333		6.11	⊕.63	8990	A04.6
1033   211   0.431   0.513     1040	anzale Minarathene	0.333		3.48	Ø.431	0.414	\$ <b>5</b>
Color		0.333		2.11	⊕.431	0.513	8 8
Deciding colors   C	lockode	1971		<b>%</b> . ∇	2.16	200	3 6
0.333 0.3939 0.4011 0.4013  0.333 0.333 0.4039 0.4011 0.6666  0.333 0.0068	tyl benzyl chthalien	0.667		<b>⊅0.786</b>	€980	9280	
0.333         3.51         ⊕.481         0.666           thalste         0.333         0.0588 kg         ⊕.481         0.666           thalste         0.333         0.0593         ⊕.431         0.431         0.441         0.443         0.443         0.441         <		0.333		⊕.393	<b>∆</b> .431	£#7	1 4 F
0.333   0.0688 NQ   0.431	The state of the s	0.333		3.51	0.431	9990	34.6
0.333 0.439 0.431 0.441	ortological and a second and a	0.333		O.0688 JQ	₩.	£17 (5	B . 6
0.333 0.931 0.941 0.041	The Manufactures	0.333			E\$ (₽	£ 17 €	\$ 6
100   100		0.333		0,931	943		<b>9</b> 9
0.333   0.359   0.441   0.4		0.333		€ 0	<b>5 6</b>		8. 4. 8. 4.
0.333	very promise and	0.333		£6£ (♥	127 6	1	<b>3</b>
0.333		0.333		<b>6</b> €	7 E	5 ( <del>1</del> .7)	99.40€
1,50   1,50	DOTENDADO	FFE 0				€I#:0	₩.406
Column	NOTICE TO THE PROPERTY OF THE	111			431	0.772	904.0
Colored   Colo	kachlorobenzene	0.333			<b>6.53</b>	40.413	90.40
Colorest   Colorest	cachlorobutadisme	666.0		€ 353 5	<b>6.431</b>	⊕.413	90406
Compared   Compared	cachlorocyclopentacjane	0,339		€6.0	40.431	<b>₫.413</b>	20406
Odjayvene         0.333         40.399         40.431         40.413           0.333         0.333         40.399         40.431         0.362 JQ           0.333         40.399         40.431         40.413           0.413         40.399         40.431         40.413           100         41.8         41.24         41.24           0.333         40.393         40.431         40.413           0.333         40.393         40.431         40.413	Anchicroethane	0.333		€6€.0	₫.431	40.413	A 405
0.333 3.01 40.431 0.362 JQ 0.333 40.395 40.431 0.362 JQ 0.333 40.395 40.431 40.413 0.333 40.395 40.431 40.413 0.333 40.395 40.431 40.413 0.333 40.395 40.431 40.413	eno(1, 2 3-edhrorene	0.333		66.0	0.431	0.413	8 6
0.333	phonone	0.333		3.01	₫.431		9 9
0.333	The second secon	0.333		£6£.⊕	6.6		9 6
0.333	To-ben zero	0.333		€6€.0>	0.431	117	<b>P S</b>
100 <18 <29 <24 distriction	interchiorophero)	0.333		40.393	Ø.431	1110	\$ <del>6</del>
0.333 2.26 40.431 0.276 JQ 0.333 40.393 40.431 40.413		9		₩.	; <b>?</b>	( F. 7	<b>3</b> .
Or 9/7.0 Certic Company (Certic Company Certic Comp		0.333		2,26	9 6	P7.1>	₹. ▷
0.431 (4.55) (4.45) Q.(4.51) Q.(4.51)	etro i	0.333			7		90,400
		0.333			Q.431	€1413	9040

TABLE C-2

DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Teras

		Sumple ID:	OT3905SA	OT3906SA	OT3907SA	OT3908SA
		Sample Date	23-OCT-95	23-OCT-95	23-OCT-95	24-OCT-95
	Quantitation	Depth:	0.0 - 2.0	00.20	0.0 - 2.0	0.0 - 2.0
PARAMETERAMETHODUNITS	7	Notes				
THE TAXA STATE OF STA						
SERVICE CHAIL WAS UNIVERSITY COMPANIES OF GOING - SWALNWAYSON (BEING CORT.)	1110		\$ 6	į		,
	0.333		35.0	\$ .00 \$ .00	0.413	<b>9</b>
bis(2-Chloroethyl)ether	0.333		€6.0	0.431	6.413	Ø.406
bin(2-Chloroinopropyl)ethar	0.333		40.393 IL	40.431 JL	40.413 JL	90+06
bis(2-Ethylhexy))phuhalate	0.333		2.35	0.431	<0.413	40,406
n-Nitrosodi-n-propylemine	0.333		€0393	40.431	40.413	40.406
n-Nitrosodijskenytamine	0.333		40,393	40.431	40,413	40.406
% Surregate Recerent (Control Light)						
sur-2,4,6-Tribromophenol R% (19-122)				86.0	57.0	999
sur-2-Fluorobiphenyl R% (30-115)	•		676	63.1	74.1	0.18
sur-2-Fluorophanol R% (25-121)	•			40.0	63.0	1.19
eur-Nitrobenzene-d5 R% (23 - 120)	•		46.1	42.9	55.9	65.0
sur-Phenol-d6 R% (24-113)			<b>5</b> 5	43.0	52.0	26.0
nur-Terphenyl-d14 R% (18 - 137)			93.9	57.1	058	73.0

Data Chaidlication Flags/Notes:

1 = Estimated quantitation based upon QC data

1B = Estimated quantitation possibly bissed high or a false positive based upon blank data

1B = Estimated quantitation possibly bissed high based upon QC data

1L = Estimated quantitation possibly bissed low or a false regative based upon QC data

1Q = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use

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TABLE	

DATA SUMMARY TABLE Ground Maintenance Yard Navul Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

		Semple ID:	OT3909SA	OT3910SA	OT301184	20 11 12 12
		Sample Date:	24-OCT-95	23-OCT-95	22 COT 06	FDUF-06
	Ownthation	Depth	0.0 - 2.0	0.0-2.0	0.0 - 2.0	06-100-60
PARAMETER/METHOD(UNITS)	Limits	Notes:				Duplicate of OT3911SA
SOIL PH - SWYMAGNONE (BORD) 623-9045 pH umits Soil			5			
PERCENT SOLID - D2216 (NONE (PETCORI)			<b>0</b>	1177	7. <b>88</b>	7.69
623-D2216 Moisture	,		17.0	16.0	21.0	241
METALS, TOTAL BY ICP/SW4010SW3959 (metal)						Žį.
Aluminan	80.0		2260	3880	2000	wex
Berim	25.0		2.25 JQ	77	24.0	268 68
Berylium	200		S ;	99	183	121
Cachrism	985		8:5	<b>2</b>	28.7	J.81 JQ
Calcium	3		40.867	\$68.0	€66.0	
Chomium	200		220000	281000	177000	176000
Cobalt	900				19.2 10	
Copper	5.00		1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	O 24.7	3.16 (3.	
Jron W	2:00				λ, υς. (6.8)	Of 50.6
Management	25.0		1860	2080	2260	3300
Mohddenim	0.1		379	<b>44</b>	£	477
Nickel	8 8		<b>7</b>	1.52 JQ	2.30 JQ	2.17 JO
Potessium	88		ដ	238	757	241
Silver	0.00		\$6.	267	1930	1880
Sodium	250		\$ 5 5 5	\$ ;	28	Cd.52
Thalliam	3 X		8 C	\$ \$	<b>9</b> ;	£0 <del>4</del>
Variadrum	5.00		4	2.7	S. 5	975
OM7	0.1		93.0	76.0	1.12	9.12
ARSENIC, TOTAL BY GFAA/SW 7060 (me/le)					!	<u> </u>
Amenic	0.500		211	1.87	2.05	2
LEAD, TOTAL BY GRAASW, 7421 (metho)					Ì	70')
Load	0.500		25.6	65.9	ŝ	3
MERCURY, TOTAL BY CVAASW 7471 (meter)					•	2
Матешу	0.185		40.279	€27.5	<0.289	<0.288
SELENIUM, TOTAL BY GFAASW 7740MCTHOD (meta)						
OV PRINCIPAL	0.500		0.562 JQ	0.488 JQ	40.469	⊕.462
ORGANOCHLORINE PESTICIDES AND PCB SW8980/SW3559 (me/le)						
4.1-1-000 4.1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	0.00333		40.00397	<0.00405	Ø.00413	2 21000
4,4-DDT	0.00133		0.00792	₹0.00162	<0.00165	\$ 000 e
AR1016	0.00333		<0.00397	<0.00405	<0.00413	<0.00403
AR1221	0.0333		40.0397	<0.0405	Ø.0413	Ø 0403
ARI 232	0.0333		<b>40.0397</b>	<0.0405	Ø.0413	Ø 0400
AR1242	0.0353		0.0397	<0.0405	40.0413	₹0.0403
AR1248	0.0333		40.0397	Q.0405	<0.0413	<0.0403
AR1254	0.0333		0.151	Q.0405	<b>60.0413</b>	<0.0403
	1		57.0	<0.0405	Ø.0413	<0.0403

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TABLE C-2

DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

FDUP-06 23-OCT-95 0.0 - 2.0 OT3911SA 23-OCT-95 00-20 OT3910SA 23-OCT-95 0.0 - 2.0 OT3909SA 24-OCT-95 0.0 - 2.0 Semple ID: Semple Date: Depth: Quantitation Limits

PARAMETERAMETHODYUNITS)	Limits	Notes:			Duplicate of OT3911SA	A2116
ORGANOCELORINE PESTICIDES AND PCBs - SW8606/5W3559 (marks) cont'4.						
AR1260	0.0333	40.0397	₫.0405	35 40.0413		40.0403
Aldrin	0.00133	40.00159	<0.00162	52 <0.00165	•	€0.00161
Chlordens	0.0166	<b>20.01%</b>	R 40.0202	22 © 0200		<0.0202
Dividen	0.000666	40.000794	0.000827			40.000 <b>8</b> 06
Endoavism I	0.00166	₩ 100.00				<0.00202
Endoeulien II	0.00133	€S 1000 €				40.00161
Endownian suliste	0.00333	<0.00397				<0.00403
Endrin	0.00200	<0.00238				<0.00242
Endran eldehyde	0.00333	40.00397	<0.00405			<0.00403
Heptachlor	0.000999	61 100 0>				40.00121
Heptachlor epoxide	0.00166	\$000 D	Z0Z00 O>	V	•	€0.00202
Methoryethlor	0.0166	<b>8</b> 10.0	<0.0202 Q.0202	72 <0.0206		<0.0202
Toxaphene	0.0666	40.00 40.00				9080€
alpha-BHC	0.000999	611000		42 000124		⊄0.00121
Deta-BHC	0.00166	& 100.0	<0.00207			<0.00202
	0.00166	96 000 00	<0.00202			<0.00202
	0.00139	65 IOO 75~	29 100 (D	2 40.00165		40.00161
% Surregate Recevery (Centrel Limit)		•				
SM-LYRANGE MAN (SU - 181)	•	15.0			_	5.0
sur-TCMX R% (18 - 145)	•	73.0	0.17	.0		<b>2</b>
CHLORINATED HERBICIDES · SW8150/METHOD (MEM.)						
24,5-T	0.00400	△0.00482	₩00.00486	9670000		Ø.00488
2,4,5-TP (Silvex)	0.00400	<0.00482	40.00486			C) 00488
24D	0.0400	40.0482	9840.0			9000
24-DB	0.0600	<b>€0.0723</b>	67,000			€0.0732
Delapon	0.140	<b>\$</b> 1.₩		_	_	0.171
Dicamba	0.00400	<0.00482	<0.00486	J.	Ħ	
Dichloroprop	0.0400	<0.0482	J 40,0486			
Dinoseb	0.0140	<b>€9:10:0</b> >	0,100			17100
MCPA	3.00	<b>43.62</b>	20.0	H 4.72		97.6€
MCPP	3.00	⊘.62	20.00	Z. Q.72		99.€
26 Surveyor (Control Limit)						
nw-DCAA R%( 0-191)		44.8	46.1	1 48.0		43.0
VOLATILE ORGANIC COMPOUNDS BY GCMS · SW8240/NONE (mg/kg)						
1,1,1-Inchloroethane	0.00500	₹0.00€17	<0.00602			€0.00610
1.1, 2, 2.1 our chief have	0.00500	40,00617	<0.00602			⊕.00610
1,1,4.1 http://ordefhune	0.00500	<0.00617	<0.00602			<0.00610
I. I - Dechloroethere	0.00500	₹0.00€17	Ø.00602			0.00610
I, I -Uszugroethere	0.00500	40.00€17	Ø.00602			Ф.00610
	0.00500	<0.00€17	Ф.00602		8	€0.00610
1,2-DATHOROPOPPER	0.00500	<0.00617	Z0900'0>	•		Ф.00610
2-Dutanone (MLK)	0.0100	©0123	A.0120	-	•	0.0122 J
2. Herenomy ( very) outer	00100	<0.0123				<0.0122
4-Methyl-2-pertanone	0.00	Q.0123	8 6 6 6	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		0012
	~ 15'A	770.0	715.77			Ø.0122

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Alt Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

	,	Semple Date:				
			24-OCT-95	23-OCT-95	23-OCT-95	23-OCT-95
	Quantitation 7	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0-2.0
Parametermethodyunits)		NOTE:				Duplicate of OT391 1 SA
VOLATILE ORGANIC COMPOUNDS BY GCOMS - SWELFFINOVE (marke) (1981)						
Acetome	00100		0.0123	40.01.20	40.0123	400122
Serzene	0.00500		<0.00617	<0.00602	40.00614	00000⊅
dromodichloromethene	0.00500		<0.00617	<0.00602	40.00614	<0.00610
Cromoform	0.00500		<b>€0.00617</b>	<0.00602	40.00€14	0.00 <b>€</b> 10
Cromonachan	00100		40.0123	0.0120	40.0123	<0.0122
Carbori desulbide	0.00500		⊄0.00617	<0.00602	40.00€14	0 1900 O>
Carbon letmetilonde	0.00500		<0.00617	<b>₹0.00602</b>	<0.00614	019000
Chlorobenzene	0.00500		40.00617			01900:0>
Chiorogramme Chio. Com	00100		40.0123	40.01.20	40.0123	40.0122
Chloretorm	0.00500		40.00€17	<0.00602	40.00614	0190000
Cition on the construction of the construction	00100		0.0123	0.0120	40.0123	<0.0122
University of the Competition of	000000		<0.00617	<0.00602	40.00614	40.00 <b>6</b> 10
Edity Doctoons	00000		40.00617	<0.00602	40.00614	€0.00610
Meurylane autonos	0.00500		40.00617	€0.00602	40.00614	01900 O
Ayrane Townshims of his	90,000		40.00617	<0.00602	40.00614	€0.00610
	0.0000				40.00614	40.00€10
Outdaine Frichlandsham	0.00500		0.00546 70	0.00570 10	0.0112	0.00631
	0.00500		40.00617	€0.00602	40.00614	€0,00610
Virus childrens	200		5710.00	0210.0	£2.10.05	40.01.22
Xylanes (total)	005000		200000	0710.00	67.10.00 F	22.00.00
cia-1,2-Dichloroetherye	00000		2000	7.0007 7.0000	4 00014	Oleon.
ca-1,3-Dichloropropene	0.00500		Ø 00617	20000 (b)	6.000 E	Olon: P
trans-1,2-Dichloro-ethene	0.00500		40,00617	Ø.00602	A) 100 614	3) (MS)
train-1,3-Dichloropropene	00500		40.00617	₹0.00602	<0.00614	40.00 <b>61</b> 0
% Surrende Recovery (Control Lamit)						
sur-1,2-Dichloroethane-d4 R% (70 - 121)	,		110.0	1040	108.0	120
sur-Bromofluorobenzene R% (74 - 121)	ı		0.06	82.1	5:68	0.98
rur-Tolusens-d8 R% (81 - 117)	*		<b>38</b> .1	95.0	94.0	. 28
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW1270/SW3559 (mare)						
,2,4-Trichlorobenzene	0.333		Ø.387	<b>€0.392</b>	6170	A 400
2-Dicklorobenzane	0.333		<0.397	€0.392	0.419	<b>454</b>
,3-Dichlorobenzene	0.333		<0.397	<0.392	419	8. 8. 7.3. 8.
, 4-Dichlorobenzene	0.333		40.397	40.392	419	99.69
4.5-Trichloropheroi	0.667		487.B	<0.783	Ø€8'0>	40.812
2,4,6-Trichlorophenol	0.333		⊄0.397	€0.392	419	90,40
4,4-Ushlorophenol	0.333		<b>€</b> 393	€0.392	40.419	40.406
2.4-Datiethylphenol	0.333			€ 392	€14.0	40.406
	191		₹ ₹	<b>8</b> . ∵	Z 10	2.03
2,4-University and the second and th	0.333		A 39	Ø.392	0.419	90400
	0.333		795	Ø 392	Ø.419	40.406
Chimmhen (	0.333		40.397	Ø.392	419	90,40€
Z-L-(BOO OpinetRO)	0.333		-0.397	Q 392	Ø.419	40.406
2-Methylishery	0.333		933	<b>© 392</b>	0.419	OI 651:0
2. Nitrographical	0.333		796.0	₩ 392	419	40.40¢
2. Nitrochamol	/o.1		87.7	<b>%</b> . ⊽	017	4.03

DATA SUMMARY TABLE Grown Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Sample III	OTROPOSA	420101	431.09	1. 2. 2. 2
		Sergole Dete:	24-OCT-95	23-OCT-95	23-OCT-95	23-0CT-95
	Ownertitation	Depth:	00-20	00.20	0.0 - 2.0	00-20
	Limits	Notes				Duplicate of OT3911SA
PARAMETER/METHOD(UNITS)						
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWELDWSW3559 (macke) com'4.						
3,3'-Dichkorobenzidine	0.667		- 12/B	€9.783	<b>623</b> ♥	40.812
3-Nitroentiine	1.67		<b>8</b> 7	<b>%</b> ∵⊽	Q.10	<2.03
4,6-Diritro-2-methylphenol	1.67		86.	<b>%</b> ∵	2.10	<2.03
4-Bromophenyl phenyl ether	0.333		<0.397	€0.392	40,4119	A) 40.
4-Chloro-3-methylphenol	0.333		40.397	⊄0.392	Ø.419	Ø.406
4-Chlorospiline	0.667		26.79 28.	40.783 1	0.839	40.812 J
4-Chlorophenyl phenyl other	0.333		Q.397	⊄0.392	€¶70	40.406
4-Methylphenol	0.333		40.397	⊄0.392	419	A 40.406
4-Nitromiline	1.67		86.	<b>%</b> :	2.10	2.03
4-Narophenol	1.67		86.⊅	<b>%</b> :	0,2	<2.03
Acenapithene	0.333		<0.397	€0.392	Ø.419	0.0343 JO
Acenaphthylene	0.333		<0.397	₫.392	8 419	
Anthroom	0,333		<b>40.397</b>	₹93	Q.419	840
Benz(s)anthracene	0.333		-	⊄0.392	Ø.419	90.406
Benzo(a)pyrene	0.333		0.242 10	₫392	419	90400
Benzo(b)(Juonarthene	0.333			<0.392	419	90400
Benzo(g.h.i)paylane	0.333		0.142 30	Ф.392	Ø.419	90406
Benzo(k)flucenthene	0.333			₫392	Ø.419	90400
Benzoic soid	1.67		86. △	<b>%</b> :	5	0.03
Bearzyl alcohol	0.667		26.79	40,783	<b>€0.839</b>	<0.812
Butyl benzyl phthalete	0.333		<0.397	⊄0.392	€[]+(0	40.40¢
Chrysene	0.333		0.344 10	⊄0.392	Ø.419	40.406
Di-ty-buty/phthalate	0.333		<0.397	⊄0.392	€1170	40.406
D-m-octy/pht/haliste	0.333			40,392	40,419	<b>0.40¢</b>
Diberta(a,h)muthracerse	0.333		0.0381 JQ	40,392	Ф.419	<0.406
Dibertzofurm	0.333		40°397	⊄0.392	0.419	40.406
	0.333		40,397	Ø.392	₩.	904.0
Demodrytytyfythalade 21	0.333			40.392	<b>617</b> 0	40,406
Programmen	0.333		0.243 JQ	40,392	Ø.419	0.0430 JQ
Flucrene	0.333		40.397	⊄0.392	₩.	
Naxachlorobanzana	0.333		40.397	Ф.392	Ø.419	90,406
Herechlorobuthdiene	0.333		Q.397	Ф.392	₩.	90,406
Hexachlorocyclopentadene	0.333		Q.397	Ø,392	₽	40,406
Herachleroethere	0.333		Q 397	⊄0.392	₩.	40.406
Indeno(1,2,3-od)pyrene	0.333		0.113 JQ	⊕332	⊕.419	80+08
isophorone	0.333		<b>40.397</b>	⊄0,392	€170	90+0
Naphthalane	0.333		O.0153 JQ	€0.392	€110	0.0238 JQ
Nitrobenzene	0.333		40.397	<0.392	€119	40.406
Pentachlorophenol	90.1		61.19	₩	97.1>	△ 22
Phenenthrane	0.333		0.0405 JQ	<0.392	€1419	0.259 JQ
Phenol	0.333		40.397	<0.392	6 <b>[</b> ₩]0	<0.406
Portable	נגנט		0.293 JO	<0.192	0170	0.0000

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

Parameteramethod/units)	Quantitation Limits	Sample ID : Sample Date : Depth : Notes :	0T3909SA 24-0CT-95 0.0 - 2.0	073910SA 23-0CT-95 0.0 - 2.0	OT3911SA 23-OCT-95 0.0 - 2.0	FDUP-06 23-OCT-95 0.0 - 2.0 Duplicate of OT3911SA
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS · SWEITASW1550 (marks) contiled bit 2-Chicrostrony institute bit 2-Chicrostrony institute bit 2-Chicrostrony better bit 2-Chicrostrony better bit 2-Chicrostrony better bit 2-Chicrostrony better bit 2-Chicrostrony better bit 2-Chicrostrony patentials by Nitrosculia-propylemain p. Nitrosculia-propylemain	0.333 0.333 0.333 0.333		6.397 6.397 6.397 6.397 6.397	4392 4392 4392 IL 4392 4392 4392	6 4 49 6 4 49 6 4 49 6 4 49 6 4 49	6 6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
56 Surregale Receivery (Control Line)  sur-2.4.6-Tribromophenol R% (19-122)  sur-2.Fluorobiphenyl R% (30-115)  sur-2.Fluorobiphenyl R% (25-121)  sur-3.Fluorobersen-6. R% (23-120)  sur-Phenol-66 R% (24-113)  sur-Phenyl-dl 4 R% (18-137)			88.1 53.9 53.9 53.9 53.9 53.9	67.0 65.8 53.9 64.0 57.0 75.0	80.0 50.1 59.0 63.0 63.0	721 70.0 57.0 65.0 65.0

Data Omalification Place/Notes:

J = Estimated quantitation based upon QC data

IB = Estimated quantitation: possibly bissed high or a false positive based upon blank data

IH = Estimated quantitation: possibly bissed high based upon QC data

II. = Estimated quantitation: possibly bissed low or a false negative based upon QC data

QC = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use.

JUL

DATA SUMMARY TABLE Ground Maintenance Yard Naval Alr Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

Comparison   Com	Fort Worth, Letha						
Comparison   Com			Semple ID	OT3912SA	OT3913SA	OT3914SA	OT3915SA
The partial		;	Sumple Date	24-OCT-95	23-OCT-95	24-OCT-95	24-OCT-95
This particularies   This pa		Quesidados Limits	Notes:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
Column   C	PARAMETER/METHOD(UNITS)		ļ				
150   150	SOIL PH - SWPMSNONE (BORY) 623-9045 pH units Soil			7.31	7.70	7.65	07.7
A	PERCENT SOLID - D2216/NONE (pertent) 623-D2216 Mousture	,		19.0	18.0	19.0	17.0
No. of the control	METALS, TOTAL, BY ICP/SW6010/SW3050 (me/ke)						
1,000	Aluminum	200		4620	8790	6280	5950
100   112   112   113   114   115	Antimonty	25.0		<b>√</b> 00.7			42.3
1,000   0.10	Berium	2.00		172	182		191
1,00   0,422   0,484   1,09   0,485	Beryllium	0.300		27.42	<b>27.65</b>	27.78	89.7
100   21900   22000   19000	Cedmium	1.8		40.829		<0.928	₹0.892
100   250   257   264	Calcium	0.01			232000	19600	
1,27, 1,27	Chromium	886					
100   100	Cobatt	8.8			2.03 JQ		
100   1900   1		3 8			× 55		
1.00	iron V.	20.0		0.00	4390	2300	0100
Column   C	Magnesium Veneralise	0.62		1930	8017	33.7	0690
Sign   272   124	Mohydenum	8 5		4.12	1.86 Л.	7 <b>3</b>	2 2 2
150   151	Nickel	88.5		22	236	249	240
150	Potaesium	0.09		116	1120	1390	8
136   137   138   134   145   15   15   134	Silver	200		<b>4.14</b>	<4.42	2.2	<b>4.46</b>
Coll Drive   Col	Sodium	25.0			342		
100   6.38   5.83   6.56   6.78   13.1   1	Thelliam	25.0		65.7	421	83	23
CCTOTAL EY GFAASW 7421 Learlist)	Variation	2:00		<b>97</b>	5.83	96.9	87.9
CLICAL EY GFAASW 7451 Leached   0.500   0.4460   0.926   0.956   0.969   0.760	Zinc	00.1		73,6	75.1	<b>81</b> .1	75.4
TOTAL BY GFAA5W 7421 (sec/ted)   101   666   8.48   9.19   9.19	ARSENIC, TOTAL BY GFAASW 7060 (mg/kg) Avenic	0.500		⊴0.460	0.926	6860	H. 09/0
Color   Colo	LEAD, TOTAL BY GFAASW 7431 (mg/kg)	0.500		101	999	8.48	91.9
UML TOTAL BY GFAA5W 7744/METHOD (me/ke)   0.500   0.500   0.00333   0.00128   Q   0.	MERCURY, TOTAL BY CVAASW 7471 (meMe) Mercury	0.185		40.302	<b>40.288</b>	⊄0.271	<0.278
CCHLORINE PESTICIDES AND PCBs - SW8080/SW3550 (marklet)   0.00133	SELENIUM, TOTAL BY GFAASW 7740/METHOD (ma/kg) Selenium	0.500		0.599 JQ	<0.452 JL		0.422 JQ
0.00333         \$\psi\text{0.00407}\$         \$\psi\text{0.00427}\$         \$\psi\text{0.00408}\$         \$\psi\text{0.00408}\$           1         0.00138         0.00128         \$\Q^{2}\text{0.0047}\$         \$\psi\text{0.00479}\$         \$\psi\text{0.00409}\$         \$\psi\tex	(2)						
3         0.00138         Q.00128         IQ         <0.00174         IQ         0.000749         IQ         0.001040           1         0.00333         <0.00407	4.4-DDD	0.00333		<0.00407	<0.00427	0.00408	<0.00402
0.00333	4.4-DDE	0.00133			<0.00171		
0.0333	4,4'-DDT	0.00333		<0.00407	<0.00427		
0.0333     40.0407     40.0408     40.0408       0.0333     40.0407     40.0408     40.0408       0.0333     40.0407     40.0408     40.0408       0.0333     40.0407     40.0427     40.0408       0.0333     40.0407     40.0427     40.0408	AR1016	0.0333		<0.0407	<0.0427	<0.0408	<0.0402
0.0333	AR1221	0.0333		<0.0407	<0.0427	<0.0408	€0.0402
0.0333	ARI 232	0.0333		<0.0407	<0.0427	<0.0408	<0.0402
0.0333	AR1242	0.0333		<0.0407	<0.0427	<0.0408	<0.0402
80MO (C) 1740 (C) 10MO (C) 10M	AR1248	0 0333		Ø.0407	<0.0427	<0.0408	<0.0402
	AR1254	0 0333		<0.0407	<0.0427	<0.0408	<0.0402

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

Activity   Activity		ACTIVE OF THE STAT	Zec le lo	O13914SA	A22 105TC
CRITORING PESTICIDES AND PCRe - ENTRODOSYN SEE Imarka)   Critorian   Critori		ň	23-OCT-95	24-OCT-95	24-OCT-95
CILLO DELIVE EESTICIDES AND PCPs - EVYBBBOSTW1555   Indiffer   001313   0010151   00	Limits		0.0' - 2.0'	0.0' - 2.0'	0.0 - 2.0
1	W3550 (mofted) conft.d				3
1	1	0406	-	,	
1	E£100'0	(S) (S)	200 C	80.040 C) 000 C	Q.0402
1	0.0166		40 (D) (A)	6.00163	40.00161
I	9990000		<b>₹3000</b> 00	900000	40 000 (S
byde 000333 byde 000333 byde 000339 byde 000309 byd 00030	991000	<0.00204	40,00214	40.0020A	<0.00201
Procession	0.00133	<0.00163	<0.00171	€9:00:0>	191000
### 000200  ### 000320  ### 00	0.00333	<0.00407	<0.00427	<0.00408	<0.00402
Comparison   Com	0.00200	€0.00244	Ф.00256	<0.00245	<0.00241
Control   Cont	0.00333	<0.00407	<0.00427	<0.00408	<0.00402
Control   Cont	0.000999	<0.00122	<b>€0.00128</b>	<0.00122	<0.00121
Company   Comp	00100.0	40.00204	40.00214	₹0.00204	<0.00201
Clinidama   0,000999	0010.0		4120.05 14	<b>4</b> 0200	40.0201
Control   Cont	0000000	(C.C.)	40.0854	0.0816	40.0 <b>8</b> 0.0
Citedwe    0,00166   0,00134   0,00166   0,0	990000	77100.79	\$100.9 \$100.0 \$1	Ø.00122	40.00121
Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame   Cool   Claridame	991000	F0200.0	4000014	40.000204	40.00201
### Recentary (Control Limit)  ### (18 - 145)  ATED RERBICIDES - SWRISH/LIMID (marks)  ATED RERBICIDES - SWRISH/LIMID (marks)  ATED RERBICIDES - SWRISH/LIMID (marks)  ATED RERBICIDES - SWRISH/LIMID (marks)  0.00400  0.0400  0.0400  0.0400  0.0140  0.0140  0.0140  0.0140  0.01000  0.00500  0	0.000	E9100 G5	17:00.00	40.0020A	40,00201
Reviewer   Control Limit)   Reviewer   Control Limit)   Reviewer	3	50000	7 (0.0)	40.00163	40.00161
Ref. (18 - 145)   ATED   BERBICIDES - SW81540/AETHOD (market)   0.00400   -0.004000   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400   -0.00400					
ATED HERBICIDES - SWB194/METHOD (market)  olivex)  invex)  olivex)	•	57.0	9	\$2.0	13.0
ATED HERBICIDES - SWB19AMETHOD (merke)  1 (100400	•	1	74.9		820
0.00400   0.00					
birex.)  0.00-0000 0.00-0000 0.00-0000 0.00-0000 0.00-0000 0.00-0000 0.00-0000 0.00-0000 0.00-0000 0.0		2900	***************************************	1	
### Second	OCHOO O	20000	2000 C	06-00.G	Ø.00478
0.0600 0.140	00400	764000	90000 9000	06400	Ø.0047
0.140 0.00400	00900	809	5753 F	<b>36</b>	8C.50
### 0.00400	0.140	A 172	29/07 171	Q.0/35	40.0717
9.00400 6.0140 3.00 3.00 6.01140 6.010	0.00400	Ø 00492		7/178	40.167
0.0140   3.00	0.0400	<0.0492		2000	4).004/8
3.00 3.00 3.00 3.00 3.00 3.00 3.00 8% ( 0 - 191 ) 8	0.0140	<0.0172	<b>₹</b> 10 <b>0</b>	A 17	
3.00  8.46 ( 0 - 191 )  8.46 ( 0 - 191 )  8.46 ( 0 - 191 )  8.46 ( 0 - 191 )  8.46 ( 0 - 191 )  8.40 (	3.00	<b>⊘</b> .69	<b>18.€</b>	<b>9</b>	(910.5)
Proceedings   Proceedings   Proceedings	3.00	\$6.68	<b>3.81</b>	3.68	\$ \$ \$
October   Octo					
CONCANIC COMPOUNDS BY GCAMS - SW8246/NONE (mar/kg)         0.00500           architecture         0.00500           architecture         0.00500           activaries         0.00500           activaries         0.00500           activaries         0.00500           activaries         0.00500           properte         0.00500           q/dEX)         0.0100           pertentatione         0.0100           pertentatione         0.0100	•	40.1	42.1	42.0	0.04
achidrates 0.00500 0.0	NONE (me/ke)				
0.05500   0.05		<0.00604	⊄0.00621	4000G	100000
0.00500   0.00	0.00500	<0.00604	<0.00621	Ø1900.0	(S) (S) (S)
0.00500 etherse 0.00500 etherse 0.00500 propiate 0.00500 foreix) foreix) foreix) foreix) foreix) foreix) foreix) foreix) foreix) foreix) foreix) foreix) foreix) foreix)	0.00500	₹0.00604	<0.00621	Ø1900Ø	00000
0.00500  properties 0.00500 0.00500 0.00500 0.00500 0.00100 0.0100 0.0100 0.0100	0.00500	<0.00604	<0.00621	40.00€16	15900
0.00500 0.00500 0.00500 0.00500 0.0100 0.0100 0.0100 0.0100	0.00500	<b>₹</b> 0.00 <b>604</b>	<0.00621	€0.00616	09000
0.00300 0.00300 0.0100 0.0100 0.0100 0.0100 0.0100	000000	<0.00604	<b>⊄</b> 0.00621	€0.00616	Q 00601
0.0100 0.0100 0.0100 peritatione 0.0100	000000	<b>₹</b> 0.00604	<0.00621	<0.00616	09000₽
00100 00100	0.0100	<b>40.01.21</b>	<0.0124 J	Ф,0123	Ø 0120
001070	00100	40.0121	<0.0124	<0.0123	07.0120
MI.O	00100	Q.00Z	40.0124	40,0123 J	40.0120
	onlo:	7.0.7	<0.0124	40.0123	Ø.0120

DATA SUMMARY TABLE Gressed Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carawell Field Fort Worth, Texas

		Sample ID	OT3912SA	OT39138A	OT3914SA	OT39158A
		Sumple Date	24-OCT-95	23-OCT-95	24-OCT-95	24-OCT-95
	Quantifization	Depth	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0
PARAMETERMETHOD(UNITS)	Limits	Notes:				
FOR A THE POPCE AND CONTRACTOR STATES OF THE POPCE AND THE	:					
Actions	ootoo		0.0403	1 76100	2,000	6.50
Regreen	005000		7000	12000	6710.0	2000
Bromodishloromethene	00000		10000 (C)	0.00021	8 1900 F	00000
Вютојат	00000		00000 C	10000 P	9000	9 0000
Bromomethine	00100		00131	4000	2000	(C) (C)
Carbon daulfide	0.00500		Ø 00604	40.00621	4000616	1000
Carbon tetrachloride	00000		₩ 0900	Ø 00621	20000	10900
СПотобителя	0.00500		₩09000	€0.00621	Ø19000	0,000
Chlorosthane	0.0100		40.0121	40.0124 1	40023	€ E B
Chloroform	0.00500		₹0.00604	₹0.00621	00000	10900 Ø
Chloromethane	0.0100		40.0121	400124	400123	000120
Dibromochloromethane	0.00500		₹0,00604	€0.00621	919000	109000
Ethylbenzene	0.00500		Ф00000	₹0,00621	00000	09000
Methylene chloride	0.00500		<0.00604	⊄0.00621	€0.00616	09000
Styrense	0.00500		<0.00604	<0.00621	91900'0⊳	40.00601
Tetrachloroethane	0.00500		<0.00604	<0.00621	0,00616	40.00601
Toluane	0.00500		0.00244 JQ	0.0125 3Q	0.00376 JQ	0.00304 JQ
Trichloroethere	0.00500		40.00604	<0.00621	€0.00616	
Virgil acetate	0.0100		40.0121 J	<0.0124	40.0123 J	40.0120 J
V my1 chloride	0.0100		0.0121	<0.0124	40.0123	Ø.0120
Xyterass (total)	0.00200		₩0900	⊄0.00621	€0.00616	40,00601
cut-1,2-Digitationoeurene	0.00500		40.00604	40.0062	40.00616	0.00601
can.i., 2. Dichlomothers	0,0000		90000	40.00 <b>62</b> 1	0.00616	9.00601
CHECK-CONCOURSE	00000		Q 100604	0.0002	6 mela	6.0000
	2000		A CONTRACTOR	7000	DIPAN'S	0000
26 Surregate Recovery (Control Limit)				•	;	;
sur-December and December 2011	•		660		0.511	112.0
sur-Tokusne-d8 R% (81-117)			9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	62.0 95.0	92.9	0.00
			•			
SEMI-VOLATILE ORGANIC COMPOUNDS BY CC/MS - SW8270/SW3559 (mg/le)						
2 Title-Lands	0.333		¥.05	9.402	40.407	0,395
1. Fideline and the state of th	0.333		8	-0.402	6.407	995
4. Dich learnessen	0.333			Q1.402	40,407	40.395
2.4 S.Trichlorophenol	0.533		* CO.	40.402	( <del>)</del> ( <del>)</del> ( <del>)</del> ( <del>)</del> ( <del>)</del> ( <del>)</del> ( <del>)</del> ( <del>)</del>	Ø.395
2.4.6-Trichlorophenol	0 113			\$ 69 E	- F	<b>₹</b> ₹
2,4-Dichlorophenol	0.333		5	204.02	\$ F	26. E
2,4-Dunethylphanol	0.333		8	CO 190	9 40	\$ F
2,4-Durarophanol	191		√102 J	7 107	- 20	- Se
2, 4-Dinitrotohvene	0.333		4.0℃	<0.402	40,407	93
2,6-Dinitrotokuane	0.333		4,05	<0.402	<0.407	Ø 395
2-Chloromaphtbalone	0,333		<del>2</del> 00	40.402	<0.407	<0.395
2-Chlorophenol	0.333		\$ <del>5</del>	<0.402	40.407	40,395
Z-Metrytraphthalene	0.333		12.2 Kg	<0.402	<0.407	Ø.395
Z-Methylphenoi	0.333		207	<0.402	<0.407	<b>40.395</b>
	1.67		~ 102	7.01	<b>8</b>	<b>8</b> 7
Z-Nitrophienol	0.333		400	<b>407</b>	<0.407	395

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

		Sample ID	OT3912SA	OF 301 3SA	OTTOLACA	OTSOLGEA
		Sumple Dute:	24-OCT-95	23-OCT-95	24-OCT-95	24-0-T-05
	Ownititation	Depth:	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)		Notes:				
SEMI-YOLATILE ORGANIC COMPOUNDS BY GCMS - SW8279/5W3550 (1997k) 0+et'4.		j	•			
	0.667		<40.8	<b>108</b> (D	718 (5	85.9
3-Nitromatiene	191		<102	70	200	₹ <b>%</b>
4,6-Dimitro-2-methylphenol	1.67		<b>20</b> ∇	2017	8	<b>9</b>
4-Bromophenyl phenyl other	0.333		<b>7</b> 00	<0.402	0,407	20£ (9
4-Chloro-3-methylphenol	0.333		<b>5</b> 0	<0.402	Q.407	A 165
4-Chlorognijine	299'0		<40.8 J	<0.804 J	40.814 J	87.00 87.00
4-Chlorophenyi phanyi ether	0.333		<b>7</b> 0 <b>7</b>	₹0.402	<b>40.407</b>	Ø.395
4-Mothylphenol	0.333		<b>₹</b> .0 <b>.</b>	40.402	40.407	Q.395
4-IVICORDIUM	1.67		<102	<b>6</b> .0	40.0	₹.
4-Intropriend	1.67		<b>2</b> 0⊽	42.01	8	86.
Acenspitthere	0.333		8	<0.402	40,407	0.395
Acentehitylene	0.333		<b>5</b> 0.4	<b>40.402</b>	<0.407	0.395
Attitucerse	0.333		<b>₹</b> .	<0.402	40.407	A.395
	0,333		<b>7</b> .0 <b>7</b>	40.402	40.407 J	0.395
Denzo(a)pyrene	0.333		₹0.4	402	€0.407	0.395
	0.333		<b>7</b> 0	€0.402	40.407 J	0,395
	0.333		<b>8</b>	<0.402	€0.407	40.395
Denizo (L) unoraridorio	0.333		¥.00	<0.402	₫ /04/0	40.395
	.9'1		<102	<b>4</b> 00	2.0	<b>%</b> :∇
Denzyl Moonol	0.667		<40.8	<b>40.804</b>	<b>Ø.814</b>	0.790
	0.333		<b>7</b> 0	407	Ø.407 J	40.395
Compared to the compared to th	0.333		<b>7</b> 0 <b>7</b>	<0.402	0.407	40.395
De anti-transfer	0.333		<b>7</b> 00	407	Ø.407	40.395
Delinously to the state of the	0.333		<b>*</b> :00	Ø.402	€0,407	40.39\$
District Land Control of the Control	0.333		<b>*</b> 00	<0.402	40.407 J	<0.395
Distriction	0.333		<b>7</b> 00	<0.402 □	40,407	<0.395
Danethulathelete	0.333		8	<0.402	Q.401	₹0.39\$
Physicathere	0.333		00	Q-403	Ø. <b>4</b> 07	40.395
Fluorene	0.333			Q.402	Ø.407	40.395
Hexachlorrhenzene	0.333		γ FC ;	<0.402	Ø.	40.395
Hexachlorobytacliene	0.333		8	20 <del>1</del> 02	Q.40	40.395
Hexart-loneur-drawn	0.533		200	<0.402	40.467	40.395
Hereart Constitutions	0.333		8	40.402 1	Ø.407	40.395
Indens(1.) Ledburge	0.333		8	₹0.402	40.407	<0.395
Incomparison	0.333		<b>4</b> 0.4	Q).402	40.407 J	40.395
Nambhalan	0.333			<0.402	Ф.407	40.395
Newskin	0.333		3.27 JQ	<b>⊄0.402</b>	40.407	<0.395
Partiachlorordeans	666.0		<b>7</b>	<0.402	40.407	<0.395
Phononical options	87		E 19	<b>7</b> .	7.	61.₽
The second control of the second control of	0.333		5.00 5.00	<b>₹0.402</b>	Ø.407	40.395
Denote	0.333		<b>4</b> .	Ø. <del>4</del> 02	<b>40.407</b>	40.395
man of the same of	0.333		<del>8</del>	Q. <b>402</b>	Ø.407 J	40.395

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TABLE C-2

DATA SUMMARY TABLE Ground Maintenance Yard Navni Air Station Fort Worth Joint Reserve Base, Carwoll Field Fort Worth, Texas

			A24 (01-10)	A710110	OTTOLISEA	OTTO: COA
			U2716610	VEC 14510	A24 14510	Vec 16610
		Semple Date:	24-001-95	23-OCT-95	24-OCT-95	24-OCT-95
	Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
	Limite	Notes				
PARAMETERMETHOD(UNITS)						
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW3274/SW3550 (ma/ks) coat'd.						
bis(2-Chloroethoxy)methane	0.333		<b>7</b> :0 <b>2</b>	<0.402	40.407	40,395
bia(2-Chloroethyl)ethan	0.333		4.00 0.04	40.402	40,407	<0.395
bis(2-Chloroisograppy) etha	0.333		<b>7</b> 0 <b>7</b>	<0.402 JL	40.407	<0.395
bin(2-Ethylhexyl)phthalate	0.333		₹0.7	<0.402	40,407	<0.395
n-Nitrosodi-n-propylamine	0.333		<b>7</b> 00	<0.402	40.407	40,395
n-Nitrosodiphenylamine	0.333		<b>7</b> 00	40.402	<0.407	40.395
% Surregate Recevery (Control Limit)						
sur-2,4,6-Tribromophenol R% (19 - 122)	ī		0	58.0	54.0	0.19
sur-2-Fluorobiphenyl R% (30 - 115)	•		0.68	58.0	68.1	72.9
sur-2-Fluorophenol R% (25 - 121)	T		0	46.9	0.84	90.0
sur-Nitrobenzene-d5 R% (23 - 120)	r		0	53.0	28.0	98
mr-Phenol-d6 R% (24 - 113)	•		0	68.9	49.9	97.0
sur-Terphenyl-d14 R% (18 - 137)	•		112.0	83.1	112.0	77.0

Data Qualification Flags/Notes:

I = Estimated quantitation based upon QC data

IB = Estimated quantitation possibly biased high based upon QC data

II = Estimated quantitation possibly biased high based upon QC data

II. = Estimated quantitation possibly biased low or a false negative based upon QC data

IQ = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use.

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TABLE C-2

DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Tozas

		Semple ID:	OT3916SA	OT39178A	OT-20106A	4000000	
		Sample Date:	24-OCT-95	23-OCT-95	23.07.7.95	NSCISSION N	OT3920SA
	Ownethtation	Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	24-OC1-95 00'-20
PARAMETERARETHOD (UNITS)	Limita	Notes				<b>}</b>	
SOIL RH - SWYMAS/NONE (ROBE) 623-9045 pH units Soil							
	•		58.7	7.67	7.78	7.60	7.50
PERCENT SOLID - D2116 NONE (percent) 623-D216 Monture	,		13.0	G <b>35</b>	5		;
METALS, TOTAL BY ICP/SW6010/SW3050 (meth)					0.7	13.0	16.0
Aleminum	90.0		2890	7810	OR. 29	976	7630
Antamony	25.0		3.06 JQ	\$22	710	26 7 76 7	
Part Miliam Part I in the Control of	2.00		120	125	130	7 <del>-</del> 1	Z : Z
Cadmin	0.300		25	0.458	0.428	233	
Calcium	8 5		Ø.827	€.0917	<0.855	<0.782	40.869 JL
Chromium	9 5			111000	139000	234000	
Cobalt	8 5			7.06		7.04 10	7.82 JH
Copper	88.		\$ 5 \$ 5	3.94 AQ	2.48 10		2.69 JQ
iron	200			CC.Y	8.21	21.9	
Megnesium	25.0		2080	25.52	92/0	4920	5240
Mangariese M. L. L. s	1.00		321	313		0512	1670
Molybdanan	2:00		c4.14	2.02	2.31 70	125 30	328
Potentier	S.00		222	99.9	6,58		
	0.09		130	1840	1740	SK.	2 12
Sodium	900			2.58	<b>87.7</b> 5	26.0	26.3
Theiliten	0.65		107 JB	550	383	113 33	121 78
Verschim	9.5		(B)	<b>4229</b>	₹.15	√19.6	
Zinc	1.00		8.52 93.0	11.6	7.14	7.12	
A DEBOT THE STATE OF TARGET PROBLEM					0.007	27.	95.2 1
America IVIAL BI GIANON 7000 (mg/m)	85			;			
	0.500		1.49	1.40	2.13	1.33	1.39
LEAD, TOTAL BY GFAASW 7421 (MB/Ng) Load	0.500		2	Š	ļ		
MERCHAN TOTAL BY C'VAA KWA MARA MARA MARA MARA MARA MARA MARA MA	<b>!</b>		W CO.	<b>R</b>	14.9	11.3	46.7
Mercay	0.270		40,257	286	ş	Ş	
SELENIUM TOTAL BY GRAASW 7740MFTHON ()					7/1	<b>907</b> (7)	Q.262
Selenium	0.500		Ø.396	Ф.452	Ø <b>43</b> 0	11 3610	;
ORGANOCHLORINE PESTICIDES AND PCBs - SW8080/SW3559 (ma/la)							JC 018-75
4.4.DDD	0.00333		⊄0.00379	<0.00415	AB FOOT OF	6	
#GC-9-7-	0.00133		9110	99100:0	00000	086000	0.0124
4,4-DD1 AB1016	0.00333		€/00379	Ø.00415	20 00 00 20 00 00 00	2000132 C) 00380	0.0430
ABIZZI	0.0333		<0.0379	<b>₫.0415</b>	Q0.0386	03800	0.01 34
AR1242	0.0333		€20.0379	40.0415	0.0386	0800	6035
AR1242	0.0333		€0.0379	<b>©.0415</b>	<0.0386	00.03€0	A01394
AR1248	0.0333		€0.0379	Ø.0415	<0.0386	<0.0380	760 €
AR1254	0.0333		<0.0379	₫,0415	<0.0386	<0.0380	CO 0394
	0.0333		is:	₫.0415	<0.0386	<0.0380	<0.0394

DATA SUMMARY TABLE Ground Maintanance Yard Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Semple ID:	OT3916SA	OT3917SA	OT3918SA	OT3919SA	OT3920SA
	;	Sample Date	24-OCT-95	23-OCT-95	23-OCT-95	24-0CT-95	24-OCT-95
	Quantification 1 1—11-	Depth	0.0 - 2.0	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)		Notes					
ORGANOCHLORINE PESTICIDES AND PCB SW00905W3559 (mater) cout'é.	it's						
AR1260	0.0333		€0.0379	0.0415	₩0.0386	00000	40 D394
Aldrin	0.00133		<0.00152	0.00166	A.0015	40,00152	85.000
Chlordane	9910.0		<0.0190 R	<0.0208	0.0193	0.00982 JO	0110
Diologin	999000'0		<0.000758	<0.000830	<0.000772		<0.000788
Endoaulfan I	99100'0		Ø:00130	<0.00208	€0.00193	<b>6</b> 0001 <b>9</b> 0	Q.00197
Endoautfan II	0.00133		<0.00152	₹0.00166	40.00154	<0.00152	\$ 100.00
Endownlian sulfate	0.00333		€/000379	<0.00415	<0.00386	O 00380	€000394
Endrin	0.00200		<0.00227	<0.00249	<0.00232	€0.00228	40,00236
Endrin aldehyde	0.00333		<0.00379	<0.00415	<0.00386	O00000	40.000
Heptachlor	0.000999		Ø.00114	<0.00124	0.00116	₩ 000114	Ø.100.0
Heptachlor epoxide	0.00166		Ø 100 Ø	<0.00208	<0.00193	8000	0.00175 JO
Methoxychlor	0.0166		<b>0.0190</b>	<0.0208	0.0193	06 IO O	
Toxaphene	9990.0		<0.0758	<0.0830	₾.0772	09000	0.0788
alpha-BHC	0.000999		€0.00114	<0.00124	40.00116	40.00114	Ø.00118
Deta-BHC	99100'0		Ø 100.0	<0.00208	40.00193	0000	40,00197
	99100'0		Ø.001 <b>%</b>	<0.00208	<0.00193	Ø.001.90	€1000
gamma-BHC (Lindane)	0.00133		<0.00152	<b>40.00166</b>	40.00154	€0.00152	40.00158
% Surregate Recovery (Control Limit)							
sur-Dibutylchlorendate R% (10 · 181)	•		16.0	7.0	40	S	9
sur-TCMX R% (18-145)	•		1.69	1.11	74.8		,
AND INTERNATIONAL PROPERTY OF THE PROPERTY OF							
CHLUKINATED HERBICIDES - SWIISOMETHOD (mene)							
2.4.7-1	0.00400		Q.00460	00000	40.00464	⊕.00460	<0.00472
A, Y-Lr (SUMEX)	0.00400		40.00460	0.00510	40.00464	<0.00460	<0.00472
2.4.50 2.4.70	00400		00460	0000	A.0464	40.0 <b>460</b>	<0.0472
Palaness Palaness	00000		0690.0	40.0750	9690.0	€0.0690	<0.070 <b>8</b>
Disamba	0.140		19 G	40.175		Ø.161	40.165
Dichlemen	2000		00000	JL 000000	40.00464 JL	€0.00460	<0.00472
Dironeh	9750		7 0000	00000	0.0464	09400	40.0472
MCPA	P 00:		7 7	6.01.0 0.10.0	70.0162	000	<0.0165
WCFP	8 8		7 7	2,50		\$ 5	<b>3</b> . ₽
	3		<b>?</b>	Ŝ	<b>;</b>	G.A	X. ♥
% Surrogate Recerery (Coutred Limit)							
ми-DCAA R% (0-191)	,		39.9	8.98	48.3	38.0	42.1
VOLATILE ORGANIC COMPOUNDS BY GCMS - SW2246/NONE (==/Le)							
1,1,1-Trichloroethane	0.00500		<0.00630	40.00607	€0900	c) 100603	CO (DOCO)
1,1,2,2-Tetrachloroethane	0.00500		Ф.00630	<0.00607	00000	C00000	00000
1,1,2-Trichloroethane	0.00500		0.900⊕	40,00607	69000	9 00003	00000
1,1-Dichloroethane	0.00500		€0000	9 0000	50 00503	00000	(A) (MS (A)
1,1-Dichloroethene	0.00500		Ф.00630	₹ 00000	©	C00003	000000
1,2-Dichloroethane	0.00500		<0.00630	₹0,00607	€09000	S000603	6000
1,2-Dichtloropropune	0.00500		Ф.00630	₹0.00607	€0 00€03	Ø 000603	8
2-Butanone (MEK)	0.0100		40.0126	0.0266 J	40.0121 J	40.0121	0.0193
2-Chloroethyl vmyl ether	00100		92 10 0>	<0.0121	<0.0121	40.0121	0000
2-Hexanone	0.0100		<b>€</b> 0126 1	<0.0121	40,0121	40.0121	80130
4-Methyl-2-pentanona	0.0100		40,0126	<0.0121	40.01.21	<0.0121	

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DATA SUMMARY TABLE

Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field

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40 00630 OT3916SA 24-OCT-95 0.0 - 2.0 50.00 0.00 0.00 0.00 Sample ID: Sample Date: Depth: Notes: Quantification Limits 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.00500 0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.333 0.333 | 1.2.4-Trichlorobenzene | 1.2.4-Trichlorobenzene | 1.2.4-Trichlorobenzene | 1.2.0-trichlorobenzene | 1.2.0-trichlorobenzene | 1.3.0-trichlorobenzene | 1.3.0-trichlorobenzene | 1.3.0-trichlorobenzene | 1.4.0-trichlorophenol | 2.4.5-Trichlorophenol | 2.4.5-Trichlorophenol | 2.4.5-Trichlorophenol | 2.4.0-trichlorophenol OLATILE ORGANIC COMPOUNDS BY GCMS - SW8244NONE (methal cont.4 % Surrugate Recever (Control Link)
nu-1,2-Dichlorochune-d4 R% (70-121)
nu-Bromoftuorochunes R% (74-121)
nu-Toluene-d8 R% (81-117) PARAMETER/METHOD(UNITS) Viryl moetate
Viryl chloride
Viryl chloride
Xylenne (total)
cis-1,2-Dichloroethene ress-1,3-Dichloropropers cis-1,3-Dichloropropens trans-1,2-Dichloroethene omodichloromethere omoform **Nibromochloromethene** 2-Chlorophenol
2-Methylmaphthalene
2-Methylphenol
2-Nitromniline
2-Nitrophenol Bromomethane Carbon disulfide Carbon ternehloride Fort Worth, Texas Methylene chloride etrachloroethene richlorosthene

DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Tozas

0.07-1.55   0.07-1.55   0.07-1.56   0.07-1.57   0.07		Series	Sumple ID	OT3916\$A	OT3917SA	OT3918SA	APO19FTO.	OTROPINA
Comparison   Com		Semp	le Dete:	24-OCT-95	23-OCT-95	23-OCT-95	24-OCT-95	24-OCT-95
Coloniary   Colo	5		Depth:	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	00-20	0.0-2.0
10   10   10   10   10   10   10   10	PARAMETER METHOD/UNITS)	Limits	Notes:					
December   December	SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW2279/SW3559 (m=/ke)	cont'd.						
1   5   4   5   5   5   5   5   5   5   5	3,3-Dichlorobenzidine	1990		40.766 1	<b>808</b> (\$	69,763	40,765	86.78
participation         157         428         420         438         438         438           control plants         control plants         control plants         438	3-Nitroundline	1.67		4.92	20.02	<b>6</b> ;   ∇	∇	<b>8</b> 5
Optimization of the party of the p	4,6-Dinitro-2-methylphenol	1.67		7.2	27.02	16:1>	8.∀	: <b>8</b> ; <b>8</b> ;
outple         0.333         0.454         0.582         0.056         0.934         0.935         0.934         0.935         0.934         0.935         0.934         0.935         0.934         0.935         0.934         0.935 <t< td=""><th>4-Bromophanyi phenyi ether</th><td>0.333</td><td></td><td>€983</td><td>40.404</td><td>&lt;0.382</td><td>Ø.3#22</td><td>2030</td></t<>	4-Bromophanyi phenyi ether	0.333		€983	40.404	<0.382	Ø.3#22	2030
Outcome         Outcome <t< td=""><th>4-Chloro-3-methylphenol</th><td>0.333</td><td></td><td><b>⊕.383</b></td><td>₩.</td><td>&lt;0.382</td><td>Ø.382</td><td>Ø 395</td></t<>	4-Chloro-3-methylphenol	0.333		<b>⊕.383</b>	₩.	<0.382	Ø.382	Ø 395
Optional plant of blank o	4-Chloroundine	299.0		997.08	40.808	<0.763 J	40,765	05.00
1,000,000,000,000,000,000,000,000,000,0	4-Chlorophenyl phenyl other	0.333		<b>40.38</b> 3	40.404	<0.382	⊕.382	<0.395
67   678	4-Methylphenol	0.333		<0.383	49.6	<0.382	40.382	<0.395
167   4.032   4.042   4.042   4.043   4.044	4-Ntroundine	1.67		4.92	2.02	<b>16</b> .⊳	<b>16</b> :∇	85.
thinking         0.333         0.484         0.482         0.484         0.982         0.484         0.982         0.484         0.982         0.484         0.982         0.484         0.982         0.484         0.982         0.494         0.982	4. Nitrophenoi	1.67		<b>7</b> .2	<b>42.02</b>	16.⊅	16:∇	85.
this projects         0.333         0.484         0.482         0.484         0.482         0.484         0.482         0.484         0.482         0.484         0.482         0.484         0.482         0.484         0.482	Acomphithene	0.333		<0.383	40,404	<0.382	40.382	<0.395
with statements         0.333         -0.484         -0.484         -0.484         -0.494         -0.494         -0.494         -0.494         -0.494         -0.494         -0.494         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492         -0.494         -0.492 <th< td=""><th>Acomphithylene</th><td>0.333</td><td></td><td>⊕383</td><td>40.404</td><td>&lt;0.382</td><td>&lt;0.382</td><td>40.395</td></th<>	Acomphithylene	0.333		⊕383	40.404	<0.382	<0.382	40.395
Office of the policy	Arthreome	0.333		<b>€0.383</b>	A). 404	<0.3872	40.382	40.395
Olishiere         Olishiere <t< td=""><th>Bentale Jurith moone</th><td>0.333</td><td></td><td></td><td>8 24</td><td>&lt;0.382</td><td>40.382</td><td>40.395</td></t<>	Bentale Jurith moone	0.333			8 24	<0.382	40.382	40.395
District   District	Berizo(e)pyrene	0,333			<b>₽</b>	<0.382	<0.382	0.0419
O.333         O.4404         O.4382         O.4404         O.4382         O.4404         O.4382         O.4004         O.4382         O.4004         O.4382         O.4004         O.4382         O.4392         O.4404         O.4382         O.4404         O.4404         O.4404         O.4404         O.4404         O.4404         O.4404	Benzo(b)Rucuraribene	0.333			<b>6</b>	<0.382	40.382	0.0335
Operations         Opperations	Benzo(g.h.) perylene	0.333		<b>€</b>	₩ 1940	₹0.382	<0.382	<b>40.395</b> J
167         4.92         4.01         4.93         4.94 <t< td=""><th>Benzo(k)fluorenthene</th><td>0.333</td><td></td><td><b>60.383</b></td><td>40.404</td><td>&lt;0.3<b>82</b></td><td>&lt;0.382</td><td>&lt;0.395 J</td></t<>	Benzo(k)fluorenthene	0.333		<b>60.383</b>	40.404	<0.3 <b>82</b>	<0.382	<0.395 J
0.667         0.766         0.766         0.766         0.766         0.766         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.769         0.764         0.382         0.382         0.0392	Benzoic ecid	1.67		<b>%</b> ∵	2.02	<b>16</b> :▷	[6:▷	<b>8</b> .∵ ∨
(333)         2.60         0.404         0.332         0.395         0.0980           (133)         0.0262 10         0.404         0.382         0.382         0.0380	Benzyl alcohol	0.667		<b>99</b> .7 <b>68</b>	808.G	<0.763	297.0⊳	867.08
0.333         0.0460 QQ         0.4444         0.382         0.382         0.0389           Original plants         0.4444         0.454         0.4444         0.382         0.0382         0.4444         0.382         0.392         0.393         0.3944         0.392         0.3	Butyl benzyl phthalete	0.333			₹	<0.382	<b>₹0.382</b>	<0.395 J
Operation states         Operation state		0.333			₽ 24.0	<0.352	<0.382	0.0389 J
Oygen conformation         O 383         O 404         O 382         O 392         O 492         O 392         O 492         O 392         O 492         O 392         O 492         O 492 </td <th>Dr-n-butylphthalete</th> <td>0.333</td> <td></td> <td></td> <td>₩.</td> <td>40,3\$7</td> <td>40.382</td> <td>40.395</td>	Dr-n-butylphthalete	0.333			₩.	40,3\$7	40.382	40.395
Automatoria   Automatoria	Distribution of the second of	0.333		<b>40.38</b> 3	<b>6.40</b> 4	40.382	<0.382	40.395 J
O.333         O.335         O.046         O.335         O.046 <th< td=""><th>Underting a_A_A_mental receipts</th><td>0.333</td><td></td><td><b>⊕.383</b></td><td><del>8</del></td><td>0.382</td><td>40.382</td><td>40.395 1</td></th<>	Underting a_A_A_mental receipts	0.333		<b>⊕.383</b>	<del>8</del>	0.382	40.382	40.395 1
Outside         Outside		0.333		6.383	<b>4</b> .6	⊕.382	<0.382	40,39\$
Offsite         Offsite	Comment of the Commen	0.333		E86.0₽	<b>7</b>	<0.382	40.382	<0.395
0.1333         0.0558	ביווייייייייייייייייייייייייייייייייייי	0.333			<b>4</b>	<0.382	<0.382	<0.395
Column         Column		0,333			<b>4</b> 9	<0.382 <0.382	0.382	
Orbitalization         0.333         Q.383         Q.404         Q.382         Q.382         Q.395           Orbitalization         Orbitalization         O.383         Q.404         Q.382         Q.382         Q.395           Orocyclopartadisme         0.333         Q.404         Q.382         Q.382         Q.395         Q.395           I.2.3-cd/pyrrate         0.333         Q.404         Q.382         Q.382         Q.382         Q.395           I.2.3-cd/pyrrate         0.333         Q.404         Q.382         Q.382         Q.395         Q.395           I.2.3-cd/pyrrate         0.333         Q.404         Q.382         Q.	Hermothican	0.333		£8.00 €0.00	<b>₹</b>	<0.382	Ø.382	40.395
0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.404   0.382   0.382   0.395     0.333   0.3404   0.382   0.382   0.395     0.333   0.3404   0.382   0.382   0.395     0.333   0.3404   0.382   0.382   0.395     0.333   0.3404   0.382   0.382   0.395     0.333   0.3404   0.382   0.382   0.395     0.333   0.3404   0.382   0.382   0.395     0.333   0.3404   0.382   0.395     0.333   0.3404   0.382   0.395     0.333   0.3404   0.382   0.395     0.333   0.3404   0.382   0.395     0.333   0.3404   0.382   0.395     0.333   0.3404   0.382   0.395     0.333   0.3404   0.382   0.395     0.333   0.3404   0.382   0.395     0.335   0.3404   0.382   0.395     0.3404   0.382   0.3404   0.382   0.395	Harmon March Land	0.333		CU.383	<b>7</b> ( <b>*</b> )	40.382	⊕.382	40.395
0.333         Q.383         Q.404         Q.382         Q.382         Q.395           (conclusioned)         0.333         Q.404         Q.382         Q.382         Q.395           1.2.3-cd/pyrate         0.333         Q.404         Q.382         Q.382         Q.395           non         0.333         Q.404         Q.382         Q.382         Q.395           0.333         Q.404         Q.382         Q.382         Q.382         Q.395           occurrence         0.333         Q.404         Q.382         Q.382         Q.392           occurrence         0.333         Q.404         Q.382         Q.382         Q.392           occurrence         0.333         Q.404         Q.382         Q.382         Q.392           drawn         0.333         Q.404         Q.382         Q.382         Q.382         Q.382           drawn         0.333         Q.404         Q.382         Q.382         Q.382         Q.382         Q.382           drawn         0.333         Q.404         Q.382         Q.382         Q.382         Q.382         Q.382           drawn         0.333         Q.404         Q.382         Q.382         Q.382         Q.382	Transfer of contraction	0.333		- F	<b>3</b>	<b>⊕</b> 3 <b>82</b>	⊕.382	<0.395
A		0.333		<b>697</b> (9	<b>4</b>	<0.382		40.39\$
LL-l-collyytene		0.333		<del>(0.383</del>	40.40v	<0.382	40.382	<b>40.395</b>
On 333         Q.383         Q.404         Q.382         Q.382         Q.382         Q.382         Q.393         Q.382         Q.382         Q.774         Q.382         Q.774         Q.382         Q.774         Q.382         Q.774         Q.382         Q.774         Q.382         Q.774         Q.382         Q.732         Q.382         Q.732         Q.332         Q.332         Q.332         Q.332         Q.332         Q.332         Q.332         Q.318         Q.318         Q.318         Q.333         Q.404         Q.382         Q.382         Q.332         Q.332 <t< td=""><th>moenou ( , , , , , , o) pyrene</th><td>0.333</td><td></td><td>△0.383</td><td><del>0</del>.404</td><td>&lt;0.382</td><td>&lt;0.382</td><td></td></t<>	moenou ( , , , , , , o) pyrene	0.333		△0.383	<del>0</del> .404	<0.382	<0.382	
define         0.333         <0.0404         <0.382         <0.774           consist         <0.383         <0.464         <0.382         <0.382         <0.382         <0.382         <0.335           Inverse         0.333         <0.404         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382         <0.382	Mophoropa Managed Inc.	0.333		<del>40.383</del>	<b>40.404</b>	<b>₫382</b>	<0.382	<0.395
Light         Co.383         CO.404         CO.382         CO.382         CO.392         CO.392 </td <th>Number of the second se</th> <td>0.333</td> <td></td> <td>₩ 383</td> <td>40.40</td> <td>&lt;0.382</td> <td>&lt;0.382</td> <td></td>	Number of the second se	0.333		₩ 383	40.40	<0.382	<0.382	
Livene         0.333         4.15         4.14         4.18	Nitrobenzene	0.333		<0.383	<0.404	<0.382	40.382	
Inverse         0.333         40 404         <0.382         40 463           0.343         <0.383	Fertherhlorophenol	1.00		4.15	<b>⊼</b> ⊽	<b>₹</b> 1.▷	<1.15	
0.333 < 0.404 < 0.382 < 0.382 < 0.382 < 0.382	Phenanthrene	0.333		€86.0>	A 404	<0 382	40.382	
	Phenol	0.333		<0.383	<b>6</b> .464	0.382	93.52	

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Alf Station Fert Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

PARAMETERMETHOD(UNITS)	Quantiferiton Limits	Sample ID : Sample Date : Depth : Notes :	OT3916SA 24-OCT-95 0.0 - 2.0	0T3917SA 23-0CT-95 0.0 - 2.0	0T3918SA 23-0CT-95 0.0-2.0	OT39198A 24-OCT-95 0.0 - 2.0	0T3920SA 24-0CT-95 0.0 - 2.0
SEMI-VOLATULE ORGANIC COMPOUNDS BY GC/MS - SW1270/SW3550 (market and "A. Pyrane Pyrane Pyrane bis(2-Chlorochtoxy)methane bis(2-Chlorochty)jether bis(2-Chlorochty)jether bis(2-Chlorochty)jether bis(2-Chlorochty)jether bis(2-Chlorochty)jether bis(2-Chlorochty)jether bis(2-Chlorochty)jetherine construction of the pyrane of th	62 CM CM CM CM CM CM CM CM CM CM CM CM CM		0.0600 JQ 40.383 40.383 60.370 JQ 40.383 40.383	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 9 33 2 2 3 3 2 3 3 2 3 3 2 3 3 3 3 3 3	6.382 6.382 6.382 6.382 6.382 6.382	0.0889 J 0.395 0.395 0.395 0.395 J 0.395 0.395
22. Sur. Trigius, Recovery I Control Limit) 12. Sur. Trigius Consequence (R. (19-122) 18. 12. (5-12) (19-122) 18. 12. (5-12) (19-123) 18. 12. (5-12) (19-123) 18. 12. (19-123) 18. 12. (19-123) 18. 12. (19-123) 18. 13. (19-123)			68.0 67.9 52.0 52.0 52.0 84.1	57.1 80.9 62.0 68.1 62.0 80.9	68.9 69.9 55.0 62.8 60.9	280 2130 2130 243 243 243	8 8 5 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 <b>2</b> 8 2 8 2 2 8

Data Onsalification Flags/Notes:

J = Estimated quantitation based upon QC data

IB = Estimated quantitation: possibly bissed high or a false positive based upon blank data

IH = Estimated quantitation: possibly bissed high based upon QC data

IL = Estimated quantitation: possibly bissed high based upon QC data

IQ = Estimated quantitation: detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use.

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Toxan

		Sample Date:	24-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95
	Quantitation Limits	Depth: Notes:	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0
PARAMETERMETHODOUNITS) SOIL BE - SWOASNONE (NOR)			\$				;
noc min ud cexx-czo	•		76.7	<b>P</b> C'/	8.	<b>10</b> '/	1.74
PERCENT SOLID - DIZLG/NONE (percent) 623-DZ216 Monthur	,		12.0	18.0	22.0	17.0	17.0
METALS, TOTAL BY ICP/SW6010/SW3059 (mp/k)							
Alumenum	20.0				0906		7520
Arkimorty	25.0		2.24 JQ	3.17 10	439	2.68 10	423
Berten	2.00		82.9	133 EE ;	133	<u>8</u>	125
Berylkum	0.300		<b>4</b>	4.0	78.7	2.51	0.535
Codmin	8.6		628.00 COOCS	40.813 110000	40.957	193000	40.892
Carachian	885		2414		000071		00771
Cobato	8.5		174 10	χς. • • • •	27 12		
Connec	889		01 62 8	Of 901		2 2 2	2. E. O
For	2,00						0169
Megnæism	25.0		1770	2630	2210	2480	2140
Минуалин	00:1		273	222	163	372	220
Molybdenum	2:00		1.41 1Q	2.06	1.53 XQ	<4.18	<4.46
Nickel .	2.00		<u> </u>	114	155	135	1.76
Cilore	0.5		¥ ;	1970	1860	96 T	1660
	35.0		2 7 2	8 9 2	2	<u> </u>	
Tallium	25.0		60.0				22.3
Vernedium	2:00		11.3	9.84	13.8	8.79	10.3
Zine	1.00		71.2	48.9	58.8	105	32.4
ARSENIC, TOTAL BY GFAA/SW 7060 (me/kg) Americ	0.500		14.2	3,08	0.566	1.27	0.814 JH
LEAD, TOTAL BY GFAA/SW 7421 (mg/kg) Lend	0.500		14.6	9.11	33.1	14.0	8.67
MERCURY, TOTAL BY CYAASW 7471 (me/kg) Mercury	0.270		40.251	40.296	20:302	<b>₩</b> .276	0.254
SELENIUM, TOTAL BY GFAASW 7740METHOD (mg/kg) Selenium	0.500		0.0895 JL	△0.430	<0.493 IL	0.104 JL	Ø.460
QRGANOCHLORINE PESTICIDES AND PCE4. SWEGGGSW3559 (mg/kg) 4 (-DID)	1000033		25 0027¢	600.00	Š	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5000
	0.000			0.000	D7+00'0'	00000	(600.03)
4 d'DDT	0.00133		0.000635 JQ	8 IN 9	0.00170 20.00170	90000	40,000159
APIOIA	0.0333		0.000	90000	27000	00000	40000
ARI 221	0.033		0,500 0,000	0 P400	8 % 8 %	0000	7660 6
ARI 232	0.033		€0.0376 ≪0.0376	8 6 6	24.00 7.00 7.00 7.00 7.00 7.00 7.00 7.00		600
AR1242	0.0333		40,0376	Q 0400	⊕ 0426 ⊕ 0426	00 <del>0</del> 0	(60.0) (D
AR1248	0.0333		€0.0376	<0.0400	<0.0426	0000	€0.0397
AR1254	0.0333		36600	90700	7670 6	4	

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DATA SUMMARY TABLE Ground Meintenance Yard Navni Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Sample ID:	OT3921SA	OT3922SA	OT10218A	OTROPIER	OTTORERS
	;	Sumple Date	24-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95	24.0°T.95
		Depth :	0.0 - 2.0	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)		Notes					
ORGANOCHLORINE PESTICIDES AND PCBs - SW1000/SW3559 (marks) contid.	, T. T.						
ARI 260			<0.0376	ODFO CD	X	***************************************	
Adm	0.00133		<b>€</b> 000150	8 8 8	5,100,00	0000 F	40.0397
Calcionne	0.0166		0.0584	€00500	A) (2) 13	001000	40.001 Se
	9990000		<0.000752	€0.000800	C) (000 (C)		8610.00
	991000		<0.00188	<0.00200	€ 00000	DECOUGE OF	45/000/A
	0.00133		<b>€</b> 0.00150	Ø.00160	40.00170	9000	8 ion 9
	0.00333		<0.00376	00000	90000	8100.6	40,00159
	0.00200		€0.00226	<0.00240	\$ 0000	920	Q:0030
Lineary and an annual state of the state of	0.00333		<0.00376	40.00400	40.00d26	0.00.00 0.00.00	40.00238
Inspection I	0.000999		<0.00113	<0.00120	Ø 00128	5 100 E	40.00397 40.00397
Mechanical epoxical	0.00166		₩ 100.0	<0.00200 <a>□</a>	610000	8638	611000
Meunoxyganor	0.0166		€0.0188	<0.0200	A 000	0000	\$ 100 P
Lucian de la companie	9990.0		<0.0752	00000	60 0852	0000	<b>8</b> 10.05
ייים ייין איניים אייין איניים ייין אייין איין אייין אייין איין איי	0.000999		€11000	40.00120	\$2100(D	200 E	Z/0.00 6
John Dir	0.00166		<b>\$0.001</b>	<0.00200	40 00213	200000	611000
	0.00166		<0.00188	<0.00200	<0.00213	000000	8100.5
	0.00133		Ø:00150	Ø9 (00) Ø	€0.00170	09 00 00	8 100 B
% Surrogate Recevery (Control Limit)							of look
sur-Dibutyichlorendate R% (10-181)	,		•				
WE-TCMX R% (18-145)	•		9 O:	0.51	85.1.	96.0	48.0
			•	6.1B	•		•
CHLORINATED HERBICIDES - SW8150/METHOD (me/k)							
2,4,5-T	0,00400		₫.00450	<0 00 00488	A 10050A		
2,4,5-17 (Sulvex)	0.00400		<0.00450	C) (00488	BOCOO. 0	DE TOTO	00000
2,4-D	0.0400		900	100 C	BOCON:09	40.00480	00.00480
2,4-UB	0.0600		40.0675	\$ 50 E	<b>1</b> 00000		0.0480
	0.140		&1.6 €	121.08	20/02	8/07	40.0720
Countries	0.00400		40.00450	8	90000	100 C	Ø.168
District	0.0400		40.0450	Q 0488	- <b>250</b> C	10000000000000000000000000000000000000	0.00480
ATOMOS ALCOHOLOGY ACTION ACTIO	0.0140		0.015€	40.071	\$2.10.00 \$2.10.00	97106	2 5 3 6 6
da DA	3.00		€.5	<b>38</b> .	<b>.</b>	8 5	\$ 50.00
	3,00		<b>8</b> €.	<b>39</b> (5)	18.6	990	8 <b>5</b>
26 Surregate Recovery (Control Limit)							3
mur-DCAA R% (0-191)	•		39,0	39.0	123	9	Ş
VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8240/NONE (marks)						2	77.
1,1,1-Trichloroethune	0.00500		40.00610	SON	2000		
1,1,2,2-1 etrachloroethane	0.00500		0.00610	\$0 0000 G	6.00635	40.00625	40.00600
1,1,2-Inchloroethune	0.00500		€00000	S S S S S S S S S S S S S S S S S S S	20003	40.00625	00900 D
L.JDischierte	0.00500		€0.00610	500000	2000.00 2000.00	579000	40,00600
1,1-Dichloroethene	0.00500		Q1000E10	Ø DOKOK	20003	40.00625	40.00600
C. 1. Children Commission of the Commission of t	0.00500		⊄0.00€10	909000	(COO)	50,000	<0.00000
2 Butter of Care	0.00500		<0.00610	000000	5000 P	C1,000,00	40.00600
2-Chimmen (Man)	0.0100		<b>₹</b> 0.0122	40.0121	40027	2000	<0.00600
2-Cinoscentyl vinyt guide	0.0100		Ø.0122	40.0121	Ø.0127	2015 2015	8 8 5 8
4. Market 2 permentances	0.0100		40.0122 J	<0.0121 J	0.0127 1	200.6	
Manager to Company	0.0100		<0.0122		40.0127	- C10.00	808
					1	4100	<b>8</b> 10.9

DATA SUMMARY TABLE Greend Maintenance Yard Naval Ali: Station Fort Worth John Reserve Base, Carrwell Fleid Fort Worth, Texas

		Sample ID:	OT3921 SA	OT3922SA	0T3923SA	OT3924SA	OT3925SA
		Sample Date:	24-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95
	Ownertitetion 7 Inde	Dept.	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)		NOTES .					
VOLATILE ORGANIC COMPOUNDS BY GCMS - SWEL44NONE (marka) cont'4.	#t'd.			Ti		ll:	
Acetone	0.0100		€0.0122	<0.0121	₹10.0	<0.0125	07.00°D
Ветгате	0.00500		Ø:00€10	90900.0>	<0.00635	<0.00625	<0.00600
Bromodichloromethene	0,00500		€0.00610	<0.00606	<0.00635	€2500.00	00900.0
Bromoform	0.00500		01900°0>	<0.00606	<0.00635	<0.00625	40,00600
Bromomethene	00100		<0.0122	40.01.21	40.01.27	60.0125	<b>40.0120</b>
Carbon disulfide	0.00500		019000	40.00606	<0.00635	€0.00625	Q)00900
Carbon tetrachloride	0.00500		<0.00610	909000	<0.00635	<0.00625	0090000
Chlorobenzene	0.00500		Ø.00610	909000⊅	<0.00635	<0.00625	Ø.00600
Chloroethane	0.0100		<0.0122	<0.0121	40.01.27	<0.0125	0.0120
Chloroform	0.00500		€0.00610	40.00606	<0.00635	<0.00625	Q)00900 Q
Chloromethane	0.0100		₹0.0122	€0.0121	40.0127	Ø.0125	Ø.0120
Dibromochloromethane	0.00500		01900€	<0.00606	<0.00635	<0.00625	Ø,00600
Ethylbenzene	0.00500		<0.00€10	90900°C>	<0.00635	<0,00625	-00900.D
Methylene chloride	0.00500		0.0271	<0.00606	0.00312 1Q	O.00319 JQ	-d).00600
Styrens	0.00500		<0.00610	909000>	<0.00635	<0.00625	00900
Tetrachloroethese	0.00500		01900.0>	€0.00606	<0.00635		40.00600
Tolluene	0.00500		<0.00€10	0.00170	<b>40 00635</b>	0.000692 10	0.0336 1Q
Trichloroethene	0.00500		©.00610	<0.00606	<0.00635	<0.00625	€0.00600
Viriyi acotlate	0.0100		<0.0122 J	<0.0121 J	Ø.0127 J	<b>€0.0125</b> J	0.0120
Viry! chloride	0.0100		Ø.0122	₹0.01.21	40.01.27	Ø.0125	Ø.0120
Xylence (total)	0.00500		€0.00610	€00000	<0.00635	€0.00625	€ 00000
cia-1,2-Dichloroethene	0,00500		019000	909000	<0.00635	-0.00625	€0.00600
ca-1,3-Dathloropropens	0.00500		0190000	A.00606	<0.00635	40.00625	© 00900
	0,000		Nicono.	20,000 of	(U.00033	C780000	00000
arecordorous de la compansa del compansa del compansa de la compan	0,000		o long	20,0000	COMOS	C700070	co, uncou
M. Surregate Recement (Control Limit)							
sur-1,2-Dichloroethane-d4 R% (70 - 121)			131	110.9	113.1	113.0	110.0
sur-bromofluoroberamie (7% (74 - 12))	•		920	S 3	0.16	076	2.16
Pur-1010ththe-CB K76 (81-117)	•		D	0.101	105.0	<b>6</b> .10 <b>1</b>	102.0
SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS - SW2270SW3559 (mg/kg)	(F)						
1,2,4-Trichlorobenzane	0.333		€377	<0.400	6.423	⊕. <del>4</del> 00	€6.0
1,2-Dichlorobenzene	0.333		CD.377	99.400	<b>423</b>	9.400	€6.0
I,3-Dichlorobenzerie	0.333		Ø.377	00 <b>†</b> (0	0,423	<b>9</b>	330 330
,4-Dohlorobenzene	0.333		FE. 6	<b>00</b> +00	0.423	<del>0</del>	86. F
	/000		3 1	108:05	(4.84)	008.05	<b>3</b>
Z,4,0-ilitatiorophenot	0.333		1/6/0	<b>100</b>	0,423	00 <del>4</del> 00	<b>6</b> €. 6
2.4-Dimethologonal	0.333		115.00	0.40 0.40	6,423 #	# 6 <del>8</del>	<b>3</b>
2.4. Dentalment	55.5			88.0			
2.4 Date Operator	233		- 66.1.2.6.	3 8	= <del>}</del>	8 8	00.7
2 Company of the second	0.550			\$ \$ 7 \	27.6	200	
	0.333		\ <del>\</del> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	96. 6	5,42	96,60	<b>3</b> 9 9
2. Chloroshend	0.333		12.6	<b>3 6</b>	3 6	0 <del>,</del> 60	£ €
2-Methylmanithalene	0.333		£12.	<b>3 9</b>	67 P	8 F	932
2-Methylapano!	0.333		72E Ø	<b>8</b> 9	Ø 423	8 F	£ 5
2-Nitroundine	1.67		₩.	900	) T	8 7	800
2-Nitrophenol	0.333		€0377	9	<0.423	940	§ <b>§</b>
				i			

TABLE C-2

DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

	1	Sample ID	AS 129710	OTROPIEA	01300364	, and a second	
		Sumple Date	24-OCT-95	24-CXTI-95	24 DOT-06	ACT 10	OI 3925SA
\$	Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	00-20	10.20
PARAMETERMETHODYUNITS)	Lieuits	Notes:				i	
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCIMS - SWEETPSW3559 (mark) cont'é	Coult'd.						
3,3'-Dichlorobenzidine	1990		€57.00	0.80	Ø 845	F	8
3-Nitrografine	191		88. ▽	2.00	<b>6.1</b>	8 6	3.2
4.6-Dinutro-2-methylphenol	1.67		<b>88</b> : ▽	8 7	11.5	8 8	3 E
4-branophanyi phenyi ether	0.333		40.377	00+0>	67.0	<b>9</b>	3 <b>3 5</b>
	0.333		40.377	40.400	Ø.423	6	\$ <del>6</del>
	0.667		40.753 J	<0.801	<0.845 J	0800	1 200
A North deband present extrem	0.333		40.377	<b>0.400</b>	Ø. <b>4</b> 23	Q+00	- 00 00 00 00 00 00 00 00 00 00 00 00 00
T-Wedny Ipriend	0.333		₩37	Ø.400	Ф.423	Ø.	Ø 388
	1.67		<b>88</b> : ∇	2.00	4.11	7	8
A comment of the comm	1.67		<b>\$</b>	7.00	4.11	8	8
Accordance A consensation of the consensation	0.333		₩.377	A 400	△.423	Ø.	Ø 338
Acatagraniyana	0.333		₩317	0.400	<0.423	9	0.399
	0.333		₩377	0.400	0.423	Ø.	\$6.00 0.199
Down of a part of the second	0.333		Ø.377 J	0,400	₫.423	Ø.400	0.399
Delizat apyrtate	0.333		Ø.377 J	0.400	Ø.423	0.0296	1 200.00
	0.333		4,377 1	<0.400	Ø.423	00000	1 86. 0
	0.333		Ø.377 J	40.400	£23-0	6,00	8.6
	0.333		Ø.377 I	<u>A</u> .400	Ø.423	0400	O 300
	1.67		<b>88</b> . ▼	8.8	4.11	87	88
Date) Leaded Fig. 1	0.667		Q.753	90.80	<0.845	€0.800	0 799
Character producting	0.333		Ø.377 J	9,400	8. <b>4</b> 2	9.400	- 66E Ø
	0.333		<b>40.377</b> J	40.400	Ø. <b>423</b>	9.40	1 300
	0.333		40.377	9.400	Ø.423	9.400	90. Q
District to the property of th	0.333		Ø.377 J	<0.400	<b>67</b> .0	₹ 00,400	0.3%
Dibertofere	0.333		₫377 1	9.400	Ø. <b>423</b>	₹0,400 1	0.399
Distributelese	0.333		40.377	A.400	6.423	400	86.8
Dimethylphthalian	0.333		40.377	Ø.400	6473	400	€6:0
Fluxuardiene	0.333			97.0	Ø.423	00₩'0>	40.399
Flurrene	0.333		0.0224 10	9.40	423	<0.400	0.0127 JQ
Hexachlorobenzene	0.333		40.377	0.400	40.423	Q. <b>4</b> 00	6.399
Herachlerohutaniene	0.333		74. D	40.400	€23	40,400	40.399
Hexachlorocyclopentations	0.333			40.400	40,423	00 <b>+</b> (00	€6:9
Hermothera	0.555		40,377 R	9.400	40.423 R	<0.400 R	933
Indianal 1 2 Albertana	0.333		€317	40.400	40.423		Ø 388
Increased 1,4,2000,py1000	0,333		Q.377 J	99,400	40.423	40.400	330
Narbthelms	0.333		₩.	40.400	0.423	40.400	
Nitrohaman	0,333		40.377	40.400	₫.423	40.400	93.00
Particological	0.333		40.377	<0.400	6.423	00,400	90E (V
Phonester	8 ;		€.13	8;⊽	4.27	02:∇	. ₹
Phenol	0.333		€377	40.400	Ø.423	9.400	₩ 330
	0.333		₩377	00+00	£24.23	00+00	Ø 399

DATA SUMMARY TABLE Ground Maintenance Yard Naval Alt Staton Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Sample ID	OT3921SA	OT3922SA	OT3923SA	OT3924SA	OT3925SA
		Sample Date:	24-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95
	One mithiather	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD(UNITS)	Limpins	Notes					}
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWR7MSW3550 (mm/le) conf'd.	\$2.76/SW3550 (mg/kg) cont'd.						
Pyrette	0.333		0.0708	40.400	4,43	00+°0>	0.399
bia(2-Chloroethoxy)methane	0.333		<b>₩</b> 377	40,400	40.423	40 <b>.4</b> 00	0.399
bis(2-Chloroethy) ether	0.333		<0.377	40.400	Ф.423	<0.400 0.400	⊕399
bis(2-Chloromopropy!) without	0.333		0.377 J	94.40	△.43	00¥.0>	0.399
bes (2-Ethylhoxyi) phthalate	0.333		<b>€0.377</b>	40.400	<0.423	00 <b>+</b> 00	0.399
-Nitrosodi-n-propylemans	0.333		<0.377	00,400	Ø.43	40.400	0.399
n-Nitrosodiphenylamine	0,333		₩.	00+00 0-400	Ø.423	<0.400	40,399
% Surregate Recovery (Control Mank)							
nar-2,4,6-Tribromophanol R% (19-122)			41.9	0.19	\$6.9	61.0	51.1
sur-2-Fluorobiphenyl R% (30 - 115)	•		53.8	17.0	80.9	73.0	60.2
sur-2-Fluorophenol R% (25 - 121)	•		34.0	99.0	53.0	20.0	4
ux-Nitrobenzene-d5 R% (23 - 120)	•		35.0	65.0	0.19	53.0	47.1
sur-Phenol-d6 R% (24 - 113)	•		35.0	56.0	64.0	0.86	40.1
nar-Terphenyl-d14 R% (18 - 137)	•		61.9	85.0	70.0	80.0	76.2

Data One-lithcrition Flags/Notes:

I = Estimated quantition based upon QC data

IB = Estimated quantition based upon QC data

IB = Estimated quantitiation possibly bissed high based upon QC data

IL = Estimated quantitiation possibly bissed high based upon QC data

IL = Estimated quantitiation possibly bissed low or a false regains based upon QC data

IQ = Estimated quantitiation detected below the Practical Quantitation Limit

R = Datum rejected based upon QC data: do not use

TABLE C-2

DATA SUMMARY TABLE Greand Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

24-CCT-95 24-CCT-95 24-CCT-95 00'-2.0							
Committee   Total			S-landing	FDUPOR	OT3926SA	OT3927SA	OT3928SA
No.   Depictor of 1972   Deptet of 1972		1	Sample Date	24-OCT-95	24-OCT-95	24-OCT-95	24-OCT-95
No.   Colored Decision   Color		Limits	Notes	0.0 - 2.0 Designed	0.0' - 2.0'	0.0 - 2.0	0.0 - 2.0
Name	HODQUAITS)		NON	Duplicate of OT3925SA			<b>.</b>
150   150	MONE (RORE)			\$ v			
1910   Act	D2216 ANOINE (Percent)			787	7.65	7.54	7,24
156   157   158		•		19.0	C 81	ğ	
100   250   240   241	Y ICP/SW¢010/SW3050 (ma/kg)				2	19.0	17.0
100   100		200		7690	ļ		
1.00   1.35   1.05		25.0		<u> </u>	6970	7910	7700
100   0.521   1.28000		2.00		126	7 7.7 E	412 312	\$6 8
100   0.869   0.4   0.50   0		0.300		0.521	<u>3</u>	£ \$	119
100   128000   1380		8		40.869	8 8	2,620 2,846	. A. A. A. A. A. A. A. A. A. A. A. A. A.
Stock		10.0		128000	121000 1	200	078.7
100   100		2:00		9.21	<45.2		
100   100		8.00		2,43 30	271 10	7 T	
100   250   6850		200		9:04	200	3.0	3.03 JO
100   100		200		0889	5930	6629	
100   150		23.0		2110	2020	326	
1,000   1,50		9 :		190	275	279	0167
1500   1540		8.8		¥.4	<4.52	£ 75	
1540   1540		8 8		6.78	65.8	197	λ- γ: - γ:
141 78		9.0 •		1540	1580	2010	
TC_TOTAL_BY GFAASW 7421 [saz/lat]   1.00   21.2   1.10   1.10   1.10   2.10   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12   1.10   2.12		25.0				£.23	\$ 10 10
1.00		25.0			87.5 JB	65.6 JB	103 JB
1.00   21.2   1		5.00		0.11	8.77	7 7 5	\$0\$ :
C. TOTAL BY GFAASW 7066 (marker)   0.500   0.844		P.00			34.6	103	10.7
0.500   0.844   0.500   0.844   0.500   0.500   0.844   0.500   0.00163   0.0000163   0.000163   0.000163   0.000163   0.000163   0.000163   0.	Y GFAA/SW 7060 (me/kg)					)	6.70
TOTAL BY GFAA/SW 7471 (mg/kg)   0.500   9.09     TRY. TOTAL BY CVAA/SW 7471 (mg/kg)   0.270   0.270   0.266   do     TRY. TOTAL BY GFAA/SW 7744/METHOD (mg/kg)   0.500   do 432   0.000   CONTROL BY GFAA/SW 7744/METHOD (mg/kg)   0.500   do 432   0.000   CONTROL BY GFAA/SW 7744/METHOD (mg/kg)   0.500   do 432   0.000   CONTROL BY GFAA/SW 7744/METHOD (mg/kg)   0.500   do 432   0.000   CONTROL BY GFAA/SW 7744/METHOD (mg/kg)   0.500   do 432   0.000   CONTROL BY GFAA/SW 7744/METHOD (mg/kg)   0.000   CONTROL BY GFAA/SW 7744/ME		0.500		7780		į	
Comparison   Com					Hr en:	1.73	294 J
0.270 9.09  UM, TOTAL BY CVAASW 7471 (mg/kg)  0.270	FAASW 7421 (mg/kg)						
Comparison   Com		0.500		60'6	8.57	677	1 0 20
0.270	BY CVAASW 7471 (me/le)						
UM_TOTAL BY GFAASW 7744/METHOD (mg/kg)  10CHLORNE PESTICIDES AND PCB4 - SW2050/SW3559 (mg/kg)  10CHLORNE PESTICIDES AND PCB4 - SW2050/SW3559 (mg/kg)  2 0.00133		0.270		40.266	Ø 254	8	į
0.500	BY GFAA/SW 7749/METHOD (mg/kg)					OC.55	40.274
OCCHI, ORINE PESTICIDES AND PCBs SW8000/SW3559 (1997/kg)   O.00333   O.00333   O.003408   O.00133   O.00333   O.00333   O.003408   O.00333   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00408   O.00333   O.00333   O.00408   O.00408   O.00408   O.00333   O.00333   O.00408		0.500		40.432	0458 10	7	
0.00333	PESTICIDES AND PCB SW80005W3558 (				<b>?</b> }	711-7	40.453
0.00333		1,000,0		9 9 9 1			
0.0333 0.00408 0.0333 0.00408 0.0333 0.0408 0.0333 0.0408 0.0333 0.0408 0.0333 0.0408		0.0000		<0.00408	O' 988000'0	<0.00408	0.0342
0.0333		0.00333		<0.00163	€ 000 62	<0.00163	0143 1
0.0333		0.033		40.00408	<0.00405	<0.00408	0176
0,0333		0.033		A0.0408	<0.040S	40.0408	Ø 0397
0.0333		0.033		800000 0000000000000000000000000000000	<0.0405	<0.0408	40 (1367
80090; CD 800000; CD 80000;  CD 80000;  CD 80000; CD 80000; CD 80000; CD 80000; CD 80000; CD 80000; CD 800000; ; CD 8000000; CD 8000000; CD 8000000; CD 80000000; CD 800000000; CD 800000000; CD 8000000000; CD 80000000000000; CD 80000000		0.0333		<b>200.0</b>	0.0405	<0.0408	€0.0397
0.0333 (0.0333		0.0333		80000	<0.040\$	<0.0408	<0.0397
		0.0333		80 CD	60,0405	0.0408	€0.0397
				***************************************	COMOTO	<0.0408	40.0397

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DATA SUMMARY TABLE

Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Bana, Carawell Field Fort Worth, Texas

40,005% 40,005% 40,005% 40,005% 40,005% 40,001% 40,011% 40,011% 40.0397 40.00159 40.00174 40.00178 40.00158 60.00159 60.00159 60.00159 60.00159 60.00159 60.00159 80.00480 80.00480 80.00480 80.00480 80.00480 80.00480 80.00480 80.00480 80.00480 80.00480 80.00480 80.00480 80.00480 OT3928SA 24-OCT-95 0.0 - 2.0 A.00159 A.00198 A.00198 A.00159 620 40.00620 40.00620 40.00620 40.00620 40.00620 40.0124 40.0124 40.0124 40.0124 40.0124 0.00422 0.00422 0.00422 0.00172 0.000 0.00 6.00163 6.00163 6.00163 6.000816 6.000816 6.00080 6.00080 6.00080 6.00080 6.00080 6.00080 6.00080 6.00080 6.00080 6.00080 6.00080 6.008 OT3927SA 24-OCT-95 0.0' - 2.0' A.00492 A.00492 A.0492 A.0738 OT3926SA 24-OCT-95 0.0 - 2.0 60.00486 60.00486 60.0729 60.170 60.0738 84.0.8 0.10.0 0.10.0 20.0 20.0 40.9 40.00592 40.00592 40.00592 40.00592 40.00592 40.00592 **⊘.0118** ⊘.0118 ⊄0.0118 40,0405
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40,00202 80.0 8110.0₽ 40,00594 40,00594 40,00594 40,00594 40,00119 40,0119 40,0119 FDUP08 24-OCT-95 0.0 - 2.0 Duplicate of OT3925SA 60.0468
60.0204
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60.0204 8.00494 8.00494 8.0494 8.0494 6.00 6.00 6.00 6.00 6.00 6.00 62.0 <del>1</del>0.0 Sample ID : Sample Date : Depth : Notes : Quantitation Limits 0.033 0.0166 0.00666 0.00166 0.00133 0.00333 0.00333 0.00939 0.0166 0.0166 0.0166 0.00166 0.00166 0.00400 0.00400 0.0400 0.0600 0.140 0.0400 0.0140 3.00 0.00500 0.00500 0.00500 0.00500 0.00500 0.0100 0.0100 0.0100 ORGANOCHLORINE PESTICIDES AND PCB. - SW8000/SW3550 (me/kg) cost/d. VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8249/NONE (##/A) CHLORINATED HERBICIDES - SW\$150/METHOD (mg/kg) % Surragate Recevery (Control Musif) sur-Dibutylchlorundus R% (10 - 181) sur-TCMX R% (18 - 145) % Surrogate Recevery (Control Limits) rur-DCAA R% (0-191) PARAMETER/METHOD(UNITS) 1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethane
1,1-Dichloroethane
1,2-Dichloroethane
1,2-Dichloroethane 1.2-Dichloropropere 2-Butenone (MEK) 2-Chloroethyl visyl ether general-BHC (Lindere) 4-Methyl-2-pentanone Endrin aldehyde Heptachlor Heptachlor epoxide Methoxychlor Endomitten sutfate 2,4,5-T 2,4,5-TP (Silvex) Dichloroprop Dinoseb -Hexamone ulpha-BHC Selfa-BHC beta-BHC 2,4-DB

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Studon Fort Worth Joint Reserve Rase, Carrwell Field Fort Worth, Texas

		Sample ID	FDUDOR	400000		
		Sample Date:	24-OCT-95	24-OCT-95	24.0CT 05	OT39Z8SA
	Quantifation	Depth:	0.0 - 2.0	0.0 - 2.0	00-20	00-20
PARAMETERAMETHOD/UNITS)	<u> </u>	Notes:	Duplicate of OT3925SA		i i	0.7
YOLATILE ORGANIC COMPOUNDS BY GCMS - SWELFFYONE (BRETA) CORF.						
Acetane	00100		€110.0	\$1100	A) 0124	412.6
	0.00500		40.00 <b>594</b>	<0.00592	A) (MS3)	\$110.00 P
La cinodication of notice and a second control of the cinodication	0.00500		<0.00594	<0.00592	0.00620	2000 F
Promomethers	0.00500		₩500.00	<0.00592	⊴0.00620	0.00596
Carbon dissificie	0.0100		Ø1100	<b>8</b> 110 0>	<0.0124	00100
Carbon tetrachloride	0.00500		<b>40.00594</b>	<0.00592	€0.00620	Ф.00596
Chlorobenzene	0.00500		40,00594	€0.00592	€0.00620	€0.00596
Chloroethane	00000		40.00594	<0.00592	⊴0.00620	<0.00596
Chloroform	0000		6110.00	\$0.010 \$10.00	<0.0124	€1100
Chloromethane	00100		P(CO).D	<0.0059Z	<0.00620	<0.00596
Dibromochloromethene	00500		VI 10:05	A0.0118	40.0124	€1100
Ethylbenzene	00000		<b>8</b> (00)	20,000592	<0.00620	€0.005%
Methylene chloride	00000		P(CO)(1)	<ul><li>40,00592</li></ul>	<0.00620	€0.00596
Styrane	000000		<b>PACOD</b> (D)	<ul><li>40.00592</li></ul>	<0.00620	40.00596
Tetrachloroethene	00500		ACCOUNT OF THE PARTY OF THE PAR	760000	<0.00620	40.00596
Toluene	00000		C.000344	<0.00592	<0.00620	<0.00596
Trichloroethene	00000		1 PKC00.02	40.0059Z	<0.00620	0.00668
Virtyl scetate	00100		1 0110 C	40.0059Z		40.00596
Viryi chloride	00100		0110.6	Q.0118	<0.0124 J	<b>€110.0</b>
Xylenes (total)	0 00000		76500 D	81100	40.0124	6000
ca-1,2-Dichloroethene	0.00500		A) 00594	760000	40.006.20	0.0059 <b>6</b>
cs-1,3-Dichloropropene	0.00500		76500 (Þ	4) 10597	02000	40.00596
trans-1,2-Dichloroethene	0.00500		₩6500.00	26500 (Þ	00000	40.00386 55556
umin-i, J-Danioropropere	0.00500		<0.00594	<0.00592	€0.00620	96000 © 00596
% Serregate Recovery (Control Limit)						
sur-1,2-Dichloroethane-d4 R% (70-121)	ı		•			
sur-Bromoduorobenzane R% (74-121)	•		1120	1120	111.9	107.1
sur-Toluene-d8 R% (81 - 117)			102.0	0.68	676	106
					100.0	0.26
24 Tintlement of GANIC COMPOUNDS BY GCMS - SWELTON W3559 (marks)						
1 2-Dichlorobenzene	0.333		€0.410	<0.405	40,407	40,397
1.3-Dichlorobenzane	0.333		00.410	<0.405	40.407	40,397
1,4-Dichtorobenzene	0.333		<b>€.41</b> 0	40.405	40.407	40.397
2,4,5-Trichlorophenol	0.667			504.05	&. <b>4</b> 07	40.397
2,4,6-Trichlorophenol	0.333		178.7	01810	40.814	<b>3</b> .0
2,4-Dichlorophenol	0.333			\$ 5	Ø,407	40.397
2,4-Dimethylphenol	0.333		\$15 P	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	104-0	Ø.397
2,4-Dinitrophenol	1.67		3000	7	10 <b>4</b> (P)	△397
2,4-Dinitrotoluene	0.333		69 410	707	7.00	<b>- 8</b> . ∇
2,6-Dinitrotohuene	0.333		6 4 6 C	3 F		Q0.397
2-Chloromaphthalene	0.333		0.410	G 6		40.397
2-Chlorophenol	0.333		9	\$ <b>6</b>	<b>P</b> (	Q0.397
2-Metryinaphthalene	0.333		⊕ 40.410	\$ <del>6</del>	₹ ₹	Q.397
2-Methylphenol	0.333		₩.410		£ 5	66 F
	1.67		2.03	7	2 6	(4.5g)
2-ivitrophenoi	0.333		04.00	Ø.405	S & &	86. √ 6
					ř	/46.US

DATA SUMMARY TABLE Ground Maintenance Yard Navai Air Station Fort Worth Joint Reserve Base, Carewell Field Fort Worth, Texas

				0777		
		Sample Date	24-OCT-95	24-OCT-95	24-OCT-05	24.00T.06
	Quantitation	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETER METHOD (UNITS)	Limits	Notes:	Duplicate of OT3925SA			
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8270/5W3559 (a	W8270/SW3550 (mg/kg) comt'd.	ļ				
3,3'-Dathlerobenzidine	0.667		₩.821	0186	788	25,6
3-Nitroeniline	1.67		200	2.02	80	<b>₹ 5</b>
4.6-Dustro-2-methylphenol	1.67		<2.05	200	80	<b>₹</b> 8
4-Bromophanyl phonyl other	0.333		0140	△ 405	20 <b>7</b> (S	£ 6
4-Chloro-3-methylphenol	0.333		07410	£ 40.		100.6
4-Chloroeniline	2990		<b>40.82</b> 21 J	1 01865	- 718 G	1000
4-Chlorophenyl phenyl ether	0.333		. 01765		, 200 F	, <u>, , , , , , , , , , , , , , , , , , </u>
4-Methylphenol	0.333		0140	200	\$ 6	1 6 F
4-Nitroeniline	1.67		200	2	î ç	8 7
4-Nitrophenol	1.67		2.05	200	50	₹ <b>8</b>
Acetaphthene	0.333		0 40	\$0 <b>.</b> €0	£ 5	5,6
Acetaphthylene	0.333		0.410	20405	\$ <b>6</b>	196
Anthracers	0.333		0.410	2.0	(A)	<b>10.</b> 6
Benz(a)methracena	0.333		40.410	405	<b>69</b> 6	0.5440
Вепго(в)ругеле	0.333		40.410	40.405	£ 5	
Berzo(b)fluoranthene	0.333		40.410 J	40405	0.0375 80	1 65900
Benzo(g.h,i)perylene	0.333		40.410 J	0.405		1 10k (P
Benzo(k)(huoranthene	0.333		40.410 J	△0.405 J	Ø 49	₩ 997
Bertzoic acid	1.67		<2.05	27.02	22.03	<b>8</b> .
Benzyl alcohol	0.667		<0.B21	△.810	₩.	<b>\$</b> .
Butyl benzyl phthalate	0.333		Q.410 J	△.405 J	Ø. <b>4</b> 07	€0.397
Chrymens	0.333		410 J	<0.405 J	0.0243 JQ	Or 1590:0
Di-n-baryipathalate	0.333		40.410	⊕.405	A).407	D 397
Dar - Carlo -	0.333		<0.410 J	0.405 1	<0.407	₽ 186.0>
Underly and received	0.333		40.40	0.405 J	40.407	1 19€.0>
District	0.333		Ø.410	₽.402	40.407	Ø.397
	0.333		Ø.410	<b>⇔.405</b>	40.407	Ø.397
Dameary grantment of	0.333		₩.	40.405		40,397
r tooren grante	0.333		Ø.410	A.405	0.0167 1Q	0.0873 AQ
Tructure	0.333		0.410	40.405	Ø.407	₩.397
	0.333		€.410	& 40 <b>5</b>	40.407	40,397
riexaction outlierie	0.333		0 <b>.</b>	40.405	40,407	Ø.397
reconnection of the second sec	0.333		014.0	40.405	₹0.407	₩.397
	0.333		Ø 410	40.405	60.407	€0.393
Indeno(1,2,3-od)pyrene	0.333		Ø.410 J	40.405 J	₹0.407	T 16€ ₽
Liophorone	0.333		₫.410	<0.405	40.407	₩.397
Naphthalene	0.333		₩.410	<0.405	<b>₽</b> .407	₩93
Nitrobenzene	0.333		₩.410	<0.405	<0.407	₩ 397
Pentachlorophenol	1.00		△.23	△.22	₹ 5	<1.19
Premanthrense	0.333		0.410	<0.405	40,407	O 0348 FO
Phenol			27.6	4		

DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carywell Field Fort Worth, Texas

PARAMETERMETHODQUNITS)	Quantitution Limits	Sample ID: Sample Date: Depth: Notes:	FDUPO8 24-OCT-95 0.0 - 2.0 Duplicata of OT3925SA	013926\$A 24-0CT-95 0.0 - 2.0	0T39278A 24-0CT-95 0.0 - 2.0	073928SA 24-0CT-95 0.0' - 2.0'
SEEM-VOLATILE ORGANIC COMPOUNDS BY GCMS - SWE270AS Pyrane bia(2-Chloroethoxy)methers bia(2-Chloroethyl)ether bia(2-Chloroethyl)ether bia(2-Chloroethyl)ether bia(2-Chloroethyl)ether bia(2-Chloroethyl)ether bia(2-Chloroethyl)ether bia(2-Chloroethyl)ether bia(2-Chloroethyl)etherise r-Nitroeodi-p-ropylenrine r-Nitroeodi-p-ropylenrine	5W3559 (market) creat's 0.333 0.333 0.333 0.333 0.333 0.333		6.40 J 6.	0.0474 J 0.465 0.405 0.405 J 0.405 J 0.405	0.0240 JQ 0.4607 0.4607 0.4607 0.4607 0.4607	0 0961 JQ 0 397 0 3397 0 3397 0 3397 0 3397
% Surrogate Recovery (Centrel Iduit)  sur-2,46-Tibromophenol R% (19-122)  sur-2-Fluorophenol R% (30-115)  sur-2-Fluorophenol R% (25-121)  sur-1-Fluorophenol R% (25-120)  sur-Phenol-46 R% (24-113)  sur-Terphenyl-dl4 R% (18-137)			46.9 59.0 39.9 46.1 39.9	85.0 90.9 74.0 84.0 70.0	53.0 54.1 38.0 38.0 64.9	51.0 58.9 40.9 48.1 45.0 69.0

Data Destiffication Fines/Notes:

J = Estimated quantization based upon QC data

IB = Estimated quantization: possibly bissed high or a false positive based upon blank data

II = Estimated quantization: possibly bissed high based upon QC data

IL = Estimated quantization: possibly bissed low or a false negative based upon QC data

IQ = Estimated quantization: detected below the Practical Quantization Limit

R = Datum rejected based upon QC data do not use.

DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carrwell Fleid Fort Worth, Texas

		Semple ID	FD(1707)	OT4929SA	APO19170
		Sumple Date:	24-OCT-95	24-OCT-95	24-OCT-95
	2	Depth	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0
PARAMETERAMETHOR(UNITS)	C.lenits	Notes	Duplicate of OT3928SA		
SOLL BH . SWYMS/NONE (neme) 623-9045 pH units Soil			7.54	7,62	7.51
PERCENT SOLD - D2116 NONE (percent) 623-D2216 Mointre			12.0	18.0	19.0
METALS, TOTAL, BY ICP/SW6010/SW3050 (me/le)					
Aluminum	80.0		6420		
Antimorry	25.0		J. 81 JQ	Or 26:1	2.04 JL
Berjun	200		98.	123	001
Codesium	0.300		4.47	0.610	
Calcium	8 5		127000	77100	70000 73000
	00.5			801. 103	95.6
Cobalt	200			3,75 JO	04 80
Copper	8.00		JO. 7.01	9.84	9.47
Iron	5.00			7590	7480
Magnetium	25.0		1870	3140	2380
Mangarnese	8 3		359	322	397
Molyboarium	8,5		Dr 90.7 50.7 €	7.79 Y	3.3
Potentian	0.08			2290	
Silver	800		\$4.12	\$5 36	3
Sodium	25.0		89.5 JB	136 JB	216 JB
Thallium	25.0		<20.6	21.8	<b>43.</b> 2
Verschium	2.00		10.5	8.45	11.0
Zanc Zanc	0.1		60.0	18.4	18.6
ARSENIC, TOTAL BY GFAA/SW 7060 (me/kg) Appenie	0.500		15.4 JH	2.95	2.56 JL
LEAD, TOTAL BY GFAA/SW 7421 (me/kg) Lead	005 0		- 051	8	- 501
MERCURY, TOTAL BY CVAASW 7471 (mg/kg) Mercury	0.270		<0.220	<0.266	<0.282
SELENUM, TOTAL BY GFAASW 7140METHOD (mark) Seleniam	0.500		0.410 JQ	0.415	<0.468 JL
ORGANOCHLORINE PESTICIDES AND PCRe - SW80805W3550 (mg/lg)	0.0000			Ş	3
1000 PA	0.0000			700000	<0.000 c
44.DDT	0.00133		0.00036 JC		Q:00162
AR1016	FFF0 0			200000	500000
ARIZZI	0.0443		AC 00374	2000	9000
ARI 232	0,0333		◆0.0374	40.0402	50 <del>0</del> 00€
AR1242	0.0333		<0.0374	<0.0402	A 0405
AR1248	0.0333		<0.0374	<0.0402	<0.0405
PKI 274	0.0333		40.0374	d 0402	G.0405

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DATA SUMMARY TABLE Ground Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carwell Field Fort Worth, Texas

24-0CT-95  0.0'-20'  0.0'-20'  0.000001  0.000001  0.000001  0.000001  0.000001  0.000001  0.0000001  0.00000000				202	A2929FTO	APOROLLO
Control   Cont			Sample Date	24-OCT-95	24-0CT-95	A PO TO
Limit		Omentitation	Depth	00.20	06-100	C4-170-47
Control   Cont	PARAMETER/METHOD/UNITS)	[Janfts	Notes	Duplicate of OT3928SA	0.7	0.0 - 2.0
Control Limits   Cont		ant's.				
Control Law	0			40.0374	CH DAM	8
Control Limits   Control Con	Aldrin	0.00133		S(00)₽	91000	
0.000666   0.000178   0.0000691   0.000178   0.0000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000191   0.000092   0.000192   0.000092   0.000192   0.000092   0.000192   0.000092   0.000192   0.00009	Chlordens	9910.0			102010	70100
0.00156	Distriction of the control of the co	0.000666		<0.000748	<b>¥08000</b> D	1000 P
Control   Cont		0.00166		<0.00187	00000	COCOU (D
Control Limits   0,000313   0,000314   0,0	Calmine II	0.00133		₫.00150	₹0.00161	₹000162
Control Limits   0.003300   0.00324   0.00321   0.00321   0.00324   0.00321   0.00321   0.00324   0.00321   0.00321   0.00322   0.0042	Concernant state of	0.00333		<0.00374	⊄0.00402	€000405
CONTOUR   CONTOUR   CONTOUR   CONTOUR   CONTOUR   CONTOUR		0.00200		<0.00224	<0.00241	€000243
Control   Cont	Hardania Horayon	0.00333		<0.00374	<0.00402	△0.00405
Confect	Inspectator Mentachilos securida	0.000999		<0.00112	⊄000121	₩ 0012
Control Leafs	Mathematica	0.00166		_	€0.00201	<0.00202
Control Limit    Control Con	Toxenbers	99100		_	020.0⊅	40.0202
Control Limit)	SH2-BHC	0.0000		<b>△0.0748</b>	<b>40.0804</b>	0.0810
Control Limit)	beta-BHC	0.00099		<ul><li>₫.00112</li></ul>	₫,00121	₹1000
Control Limit)   Control Control	delta-BHC	0.00166		/ <b>3</b> (8.99)	€00001	⊄0.00202
Control Limit)   Sister   Limit)   Sister   Control	gonuma-BHC (Lindane)	0.0010		\$ 100 P	Q 00501	<b>40.00202</b>
Fig. 1   F		***************************************		OK ION THE	400161	40.00162
	26 Survegate Recovery (Control Limit) nar-Debycklorenciate RW (10-181)			51.9	094	, ,
Dictable   SwelgsfulETHOD (marks)   000400   000454   000468   000400   000400   000454   000468   000400   000400   000454   000468   000469   000400   000454   000468   000468   000469   0	mr-1CMX R% (18-145)	•			Ì	201
Control Limits   Control Con	CHLORINATED REPRICIBES - SWELGARETHON /4				•	8
Control Limit)   Control Con	2.4.S.T	0000				
Control   Cont	24.5-TP (Silvex)	0.00400		40.00454	₩ 00.00	€0.00490
CONTOUNDS BY CCAMS - SWEL4GFYONE lawFax)   0,00500   0,00508   0	24-D	0.00400		20005	<0.00488	€00400
Control Limits   0.0000	2.4.DR	0.0400		<b>₹</b>	<b>△0.0488</b>	Ø.0490
Central Limit)	Delence	0.0600		₩9.0681	<0.0732	<0.0735
COMPOUNDS BY GCAMS - SWE446NONE (amplite)	Dicamba	0.140		Q.156	£171 €	Ф.172
0.0040	Dichlorogram	0.00400		<0.00454	<0.00488	⊄0.00490
100	Directo	0.0400		<b>40.0454</b>	0.0488	⊄.0490 1
3.00   43.40   43.66     3.00   43.40   43.66     3.00   43.40   43.66     4.20   44.0     44.0   44.0     4	MCPA	0.01		€0:0159	17100	<0.0172
COMPOUNDS BY GC/MS - SWEL44/NONE (mm/kg)  COMPOUNDS BY GC/MS - SWEL44/NONE (mm/kg)  COMPOUNDS BY GC/MS - SWEL44/NONE (mm/kg)  1)  COMPOUNDS BY GC/MS - SWEL44/NONE (mm/kg)  0.00500  0.	WCD			<b>₽</b> ;♥	<b>3.66</b>	39.€
CONTROLIDED BY GCAMS - SW7244A'NONE (marche)   10,00500   40,00608   40,00628   40,00608   40,00628   40,00608   40,00628   40,00608   40,00628   40,00608   40,00628   40,006		3.00		<b>∆.</b> &	99.€	99.€
COMPOUNDS BY GCOMS - SWR244MONE (mg/kg)  COMPOUNDS BY GCOMS - SWR244MONE (mg/kg)  0.00500  0.	% Surregate Recovery (Control Limit)					
COMPOUNDS BY GCAMS - SWR244MONE (media)  1 0.00500	au-Corn (0-191)	•		42.0	48.0	44.9
0.00500         -0.00508         -0.00508         -0.00528	VOLATULE ORGANIC COMPOUNDS BY GCMS - SWELLOND (MACKED)					
0.00500	1,1,1-Trickloroethure	0.00500		<b>₩</b> 09000	<0.00628	10,000
0.00500	1,1,4,2-1 etrichloroethane	0.00500		₩9000	#C500000	17000:0
0.00500	1,1,2-Trochloroethane	0.00500		80900 O>	2000 (D	70000
0.00500	1,1-Dichloroethane	0.00500		809000	87000 F	70000
0.00500	1.1. Dichloroethene	0.00500		80000 P	87000°F	17900'D
0.00500 0.00508 0.00528 c 0.0100 0.0122 0.0126 0.0126 0.0100 0.0102 1 0.0126 0.0100 0.0102 1 0.0126	1,2-Dichloroethane	0.00500		SOUNDS	87000.00 8000.00	179000
0.0100 4.0122 4.00136 0.0100 4.0102 4.00136 0.0100 4.0102 1 4.00136 1 4.0013	1,2-Dichloropropere	0.00500		80000 B	870000	17900°C
0.0100 4.0012 4.00126 0.0100 4.0012 1 4.00126 J 0.0100 4.0012 4.00126 J	2-Butanone (MEK)	0.0100		40122	300.00	40.0051
0.0100 0.0122 1 0.0126 J 0.0100 0.01122 0.01126 J	2-Chieroethyl varyl ether	00100		40.0122	\$ 10 C	7707
0.0100 0.0102 0.0102	Z-Hexanone	0.0100			7000	57 FO
	4-Methyl-2-penterone	0.0100			, 25, 10. C	42 IV.O. 6

DATA SUMMARY TABLE Greund Maintenance Yard Naval Air Station Fort Worth Joint Reserve Base, Carswell Field Fort Worth, Texas

		Semple ID	FDUP07	OT3929SA	OT3930SA
			50° L A F PC	20	× 1.0
	O	Series Care	6613347	62-170-67	55-100-1-
		5 to 2	U.S U.O.	0.0 - 2.0	0.0 - 2.0
PARAMETER/METHOD/UNITS)		IN COMPA	Advicate of C12565A		
VOLATILE ORGANIC COMPOUNDS BY GCIMS - SWEA	SW8240/NONE (me/ke) cont'4.				
			<0.0122	≪0.0126	40.0124
Benzene	0.00500		<b>€0:00€08</b>	<0.00628	€0.00621
Bromodichloromethane	0.00500		40,00608	<0.00628	⊄0,00621
Bromoform	0.00500		809000⊅	<0.00628	<0.00621
Bromornethere	0.0100		<0.0122 □	∞0.0126	A2 10 00
Carbon disulfide	0.00500		80900 €>	40.00€28	⊄0.00621
Carbon tetrachionde	0.00500		\$0900.0>	<0.00628	<0.00621
Chlorobenzene	0.00500		40.0060€	€0.00628	<0.00621
Chloroethane	0.0100		40.0122	Ø.0126	€0.0124
Chloroform	0.00500		<b>40.00608</b>	<0.00628	<0.00621
Chloromethane	0.0100		<0.0122	Ø.0126	40.0124
Dibramochloromethme	0.00500		40,00608	<0.00628	<0.00621
Ethylbenzene	0.00500		<b>₹0</b> :00 <b>€08</b>	<0.00628	<0.00621
Methylese chierads	0.00500		40.0060€	<0.00628	<0.00621
SAN THE SAN TH	0.00500		€0.00608	€0.00628	<0.00621
Technicalorostriana	0.00500		<b>€00000</b>	<0.00628	O.00358 JQ
Columna	0.00500		Or 65 100'0	<0.00628	0.00230 JQ
Trichloroethene	0.00500		₹0,00608	<0.00628	40.00621
	0.0100		40.01.22 J	< 0.0126 J	<0.0124 J
Veryl chicride	0.0100		<b>40.01.22</b>	40.0126	40.0124
Xytener (total)	0.00500		₹0,0060	€2900.0	40,00621
cti-1,2-Dichloro-thene	0.00500		₹0.0060	€0.00628	⊄0.00621
cial 1-5-Unitary opera	0,00500		30.00€08	<0.00628	<0.00621
	00000		40.0060B	<0.00628	€0.00621
Machorine Market Comment	0.00500		©0,0060 <b>@</b>	<0.00628	€0.00621
% Surregate Recevery (Control Limit)					
sur-1,2-Dichloroethane-d4 R% (70 - 121)	•		109.0	112.1	105.0
nur-bromofinorobergme (% (74 - 121)	•		0.68	91.1	87.0
nur-rotuene-da K% (81 - 11 /)	*		102.0	0.66	100.0
SEMI-VOLATILE ORGANIC COMPOUNDS BY GCMS - SW8770/SW3559 (mg/hg)	SW8270/SW3550 (mg/kg)				
.2,4-Trichlorobenzene	0,333		∞.373	<0.403	9040€
,2-Dichlorobenzene	0.333		<0.373	40.403	90,400
,3-Dichlorobenzene	0.333		40.373	<0.403	0.40€
( ,4-Dethioroberizes	0.333		<0.373	<0.403	90 <b>¥</b> ′0>
2,4,5-Inchlorophenol	0.667		0.746	908.0>	40.812
2,4,5-includiophenol	0.333		<0.373	<0.403	90 <b>¥</b> 0€
A Trimorophentol	0.333		<0.373	<0.403	9,406
2,4-University ipments	0.333		<0.373	<0.403	40.406
	1.67		<b>1.87</b> J	2.02	Q.03 J
4,4Unitrodolustia	0,333		<0.373	<b>0 403</b>	<0.40¢
2.0 Long and control to	0.333		<0.373 € 20.373	<0.403	9,40€
2 Chloropherol	0.333		<0.373	<0.403	90,406
	0.333		<0.373	<0.403	90 <b>+</b> 00
7-Metrytuspausaie	0.333		C0.373	<0.403	<0.406
2. Nitroeniline	0.333		<0.373	<0.403	40.406
2. Nitracketta	1.67		<1.87	2.02	2.03
	0.333		€0.373	<0.403	<0.40€

TABLE C-2

DATA SUMMARY TABLE Ground Maintenance Yard Navel Air Station Fort Worth Joint Reserve Base, Carrwell Field Fort Worth, Texas

Ques PARAMETER/METHOD(UNITS)	Sarry Sampl Sampl Limits	Sample ID : Sample Date : Depth : Notes : D	FDUPO8 24-OCT-95 0 0 - 2.0 Duplicate of OT3925SA	0739268A 24-0CT-95 0.0 - 2.0	0T3927SA 24-0CT-95 0.0 · 2.0	0T3928SA 24-0CT-95 00-20
NUNDS BY GCMS - SW8770/SW3550 (mg/	ket cont./d. 0.333 0.333 0.333 0.333 0.333 0.333		0.410 0.410 0.410 0.410 0.410 0.410	0.0474 J 40.405 40.405 40.405 40.405 40.405	0.0240 JQ 0.4677 0.4677 0.4677 0.4677 0.4677	0.0961 K2 0.397 0.397 0.397 0.397 0.397
W. Surrogula Recovery (Centrol Light)  sur-2,4,6-Tinkromophemol R% (19 - 122)  sur-2-Fluorophemyl R% (20 - 115)  sur-2-Fluorophemyl R% (25 - 121)  sur-Nitrobenzeme-45 R% (25 - 120)  sur-Phemol-46 R% (24 - 113)  sur-Torphenyl-41 4 R% (18 - 137)			46.9 99.9 46.1 99.9 75.1	85.0 90.9 74.0 84.0 70.0	53.0 54.1 38.0 38.0 64.9	51.0 58.9 60.9 48.1 45.0 69.0

Date Omitification Flace/Notes:

| = Estimated quantitation based upon QC data
| B = Estimated quantitation possibly biased high or a false positive based upon blank data
| B = Estimated quantitation: possibly biased high based upon QC data
| H = Estimated quantitation: possibly biased high based upon QC data
| H = Estimated quantitation: described biased low or a false negative based upon QC data
| Q = Estimated quantitation: described below the Practical Quantitation Limit
| R = Datum rejected based upon QC data do not use.

TABLE C-3

		Name of	FUCIO	C12444C1	
		Semale Date	24-OCT-95	24-OCT-95	24-001-95
	C.O. Committee	Depth	0.0 - 2.0	0.0-2.0	00-20
	Leadle	Notes	Duplicate of OT3928SA		
PARAMETER GETTROPOLITIES					
CANADA BULO	CASS - SWIZTWENTHER SAMPLE CONTRACT				
ľ			0.0270	<0.403	99.
Try of the contract of the con	0,333		40.373	<0.403	40.40€
	686.0		40.373	40.403	40.406
	. 844		0.373	40.403	0.40€
	666.0		0.373	△0.403	O. 905.0
OM 4-Emymary) presentation	666 0		<0.373	40.403	90+0€
n-Vidosodahenylamine	0.333		<0,373	<0.403	<0.406
% Surregate Recevery (Centrol Limit)	,		57.0	56.0	0.13
sur-2,4,6-Indionophenol R% (13-122)	, ,		0.29	67.0	13.9
SIN A PROGRAMMY ROSE SUCH THE SECOND	•			48.9	58.9
(VC) CC / New York Committee of the Comm	•		49.1	54.1	63.1
	•		634	6.84	0.86
(181-181) (181-181)			82.0	68.0	10.9

abby bissed high blased upon QC data sibly bissed fow or a false nagative based upon QC data seed below the Practical Quantitation Limit

PREPARED/DATED. CHECKED/DATE

# FINAL PAGE

**ADMINISTRATIVE RECORD** 

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# FINAL PAGE

# ADMINISTRATIVE RECORD

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